ORDER NO. MD9806110C2

Service Manual

AV Control Stereo Receiver

DOLBY SURROUND PRO • LOGIC *

Receiver

SA-AX720

Colour

(K) . . . . . .Black Type

Area

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Great Britain	
(EG)	Germany & Italy	

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■ Specifications

■ FM Tuner Section

Frequency range	87.5 — 108.0 MHz
Sensitivity	
S/N 30 dB	1.5 µV / 75 Ω
S/N 26 dB	1.3 µV / 75 Ω
S/N 20 dB	1.2 µV / 75 Ω
IHF usable sensitivity (IHF '58)	1.5 µV / 75 Ω
IHF 46 dB stereo quieting sensitivity	22 µV / 75 Ω
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	60 dB (73 dB, IHF)
STEREO	58 dB (67 dB, IHF)
Frequency response	20 Hz — 15 kHz (+1dB, –2dB)
Alternate channel selectivity	65 dB
Capture ratio	1.5 dB
Image rejection at 98MHz	40 dB
IF rejection at 98MHz	70 dB
Spurious response rejection at 98MHz	70 dB
AM suppression	50 dB
Stereo separation	
1 kHz	40 dB
Carrier leak	
19 kHz	-30 dB (-35 dB, IHF)
38 kHz	-50 dB (-55 dB, IHF)
Channel balance (250 Hz-6.3 kHz)	±1.5 dB
Limiting point	1.2 µV
Bandwidth	
IF amplifier	180 kHz
FM demodulator	1000 kHz
Antenna terminal(s)	75Ω (unbalanced)

■ Amplifier Section

Power output (at 240 V)	
DIN 1 kHz (T.H.D. 1%)	2 X 100 W (6Ω)
20Hz - 20 kHz continuous power output	
both channel driven	2 X 80 W (6Ω)
Total harmonic distortion	
rated power at 20 Hz – 20 kHz	0.05% (8Ω)
half power at 1 kHz	0.03% (8Ω)
Power output at the Dolby Pro Logic operation	
DIN 1 kHz (T.H.D. 1%)	
Front	2 X 100 W (6Ω)
Center	100 W (6Ω)
Surround	2 X100 W (6Ω)
Subwoofer	100 W (6Ω)
Power bandwidth	
both channel driven, -3 dB	10 Hz - 40 kHz (6Ω)
Damping factor	30 (6Ω)
Load impedance	
Front	
A or B	4 - 16 Ω
A and B	8 - 16 Ω
Center	6 - 16 Ω
Surround	6 - 16 Ω
Frequency response	
PHONO	RIAA standard curve ± 0.8 dB
CD, TAPE, DVD, VCR, TV	10 Hz – 40 kHz, ± 3 dB
Input sensitivity and impedance	
PHONO	3 mV / 47 kΩ
CD, TAPE, DVD, VCR, TV	200 mV / 22 kΩ
S/N at rated power (6Ω)	
PHONO	70 dB (IHF , A : 80 dB)
CD, TAPE, DVD, VCR, TV	75 dB (IHF , A : 85 dB)
Output voltage	
TAPE REC (OUT), VCR OUT	200 mV
Tone controls	
BASS	50 Hz, +10 to -10 dB
TREBLE	20 kHz, +10 to -10 dB
Channel balance (250Hz - 6.3kHz)	±1 dB
Channel separation	55 dB
Headphones output level and impedance	430 mV / 330 Ω
Sub-Woofer frequency response	7 -100 Hz, ±3 dB

Technics®

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

■ AM Tuner Section

Frequency range	522 — 1611 kHz
Sensitivty	20μV, 330μV/m
Selectivity (at 999 kHz)	55 dB
IF rejection (at 999 kHz)	50 dB

■ Video Section

Output voltage at 1 V input (unbalanced)	1±0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 Ω (unbalanced)

■ General

Power consumption	240 W
Power supply [E,EG]	AC 230V, 50 Hz
[EB]	AC 230 - 240V, 50 Hz
Dimensions (W x H x D)	430 x 158 x 324.5 mm
Weight	9.3 kg

Notes :

1. Specifications are subject to change without notice. Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

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■ Before Repair and Adjustment

Disconnect AC power, discharge 2 Power Supply Capacitors C703, C704, C705 and C706 through a 10Ω , 5W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices. After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 230 V, 50Hz in NO SIGNAL mode should be 120 ~ 350 mA.
Current consumption at AC 240 V, 50Hz in NO SIGNAL mode should be 130 ~ 380 mA.

■ Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed :

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

■ Caution for AC Mains Lead

(For "EB" area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⟨ASA⟩ or the BSI mark ⟨♡⟩ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION !
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

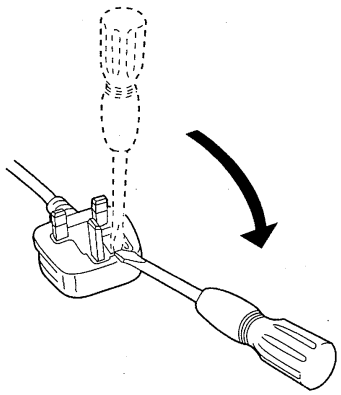
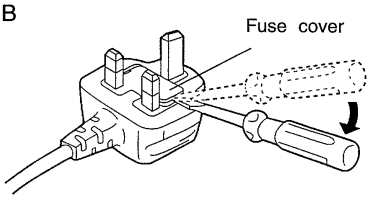


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

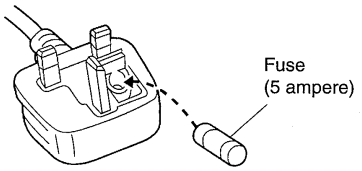
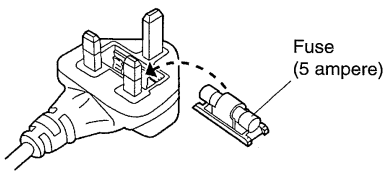


Figure B



■ Operation Checks

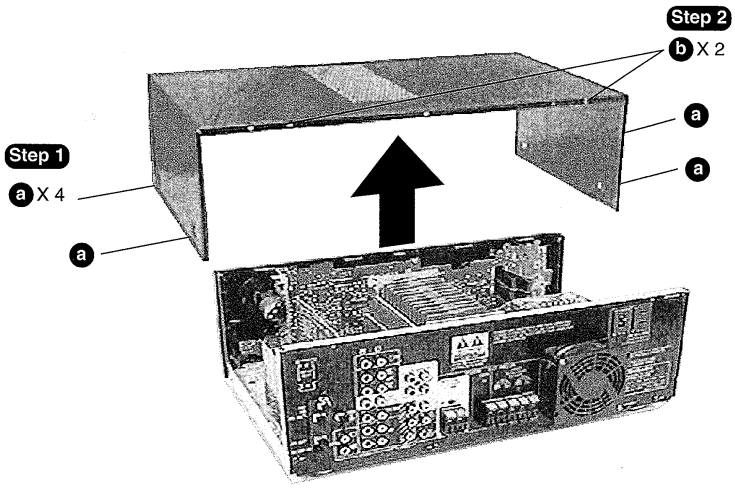
"ATTENTION SERVICER" Some chassis components may have sharp edges. Be careful when disassembling and servicing.

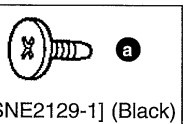
1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**
3. **Select items from the following index when checks or replacement are required.**

• Contents

page
• Checking Procedure For Each Major P.C.B. ..... 3 ~ 5
• Main Component Replacement Procedures ..... 5 ~ 6

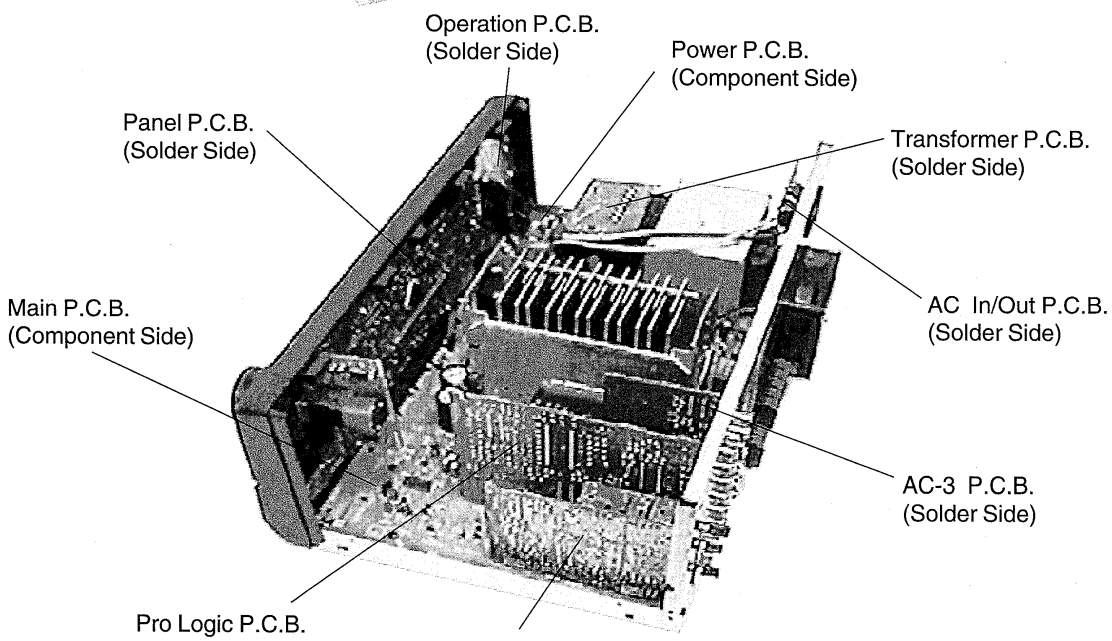
■ Checking Procedure For Each Major P.C.B.





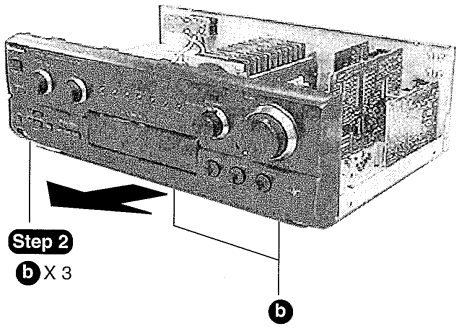
[SNE2129-1] (Black)

[XTBS3+8JFZ1] (Black)


Operation P.C.B. (Solder Side)
Power P.C.B. (Component Side)
Panel P.C.B. (Solder Side)
Transformer P.C.B. (Solder Side)
Main P.C.B. (Component Side)
AC In/Out P.C.B. (Solder Side)
AC-3 P.C.B. (Solder Side)
Pro Logic P.C.B. (Solder Side)
Tuner P.C.B. (Solder Side)

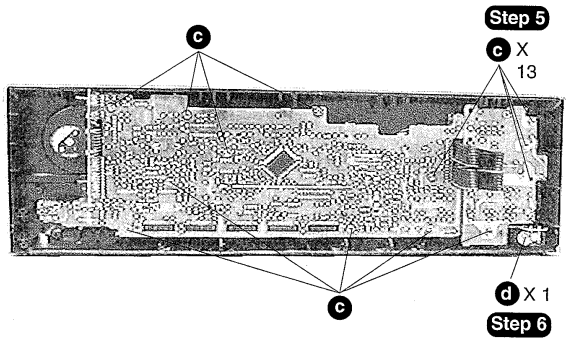
To remove Front Panel and check Panel P.C.B. , Operation P.C.B. and Headphone Jack P.C.B.

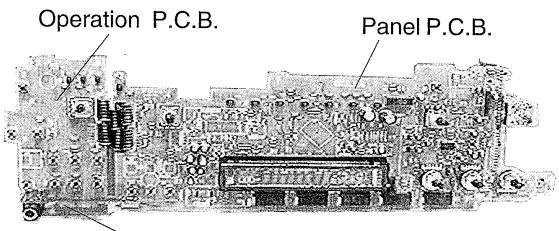
Step 1
Remove the top cabinet.



Step 3
Remove the Front Panel in the direction of arrow.

Step 4
Remove all Knobs and Nuts from Front Panel.





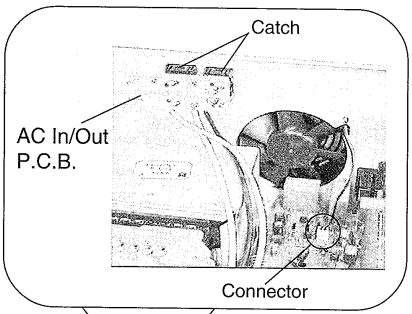
Step 7
Pull out the Headphone Jack P.C.B.

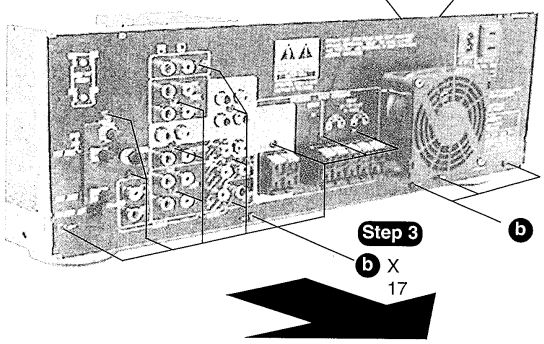
To remove Rear Panel and check Main P.C.B. and Power P.C.B.

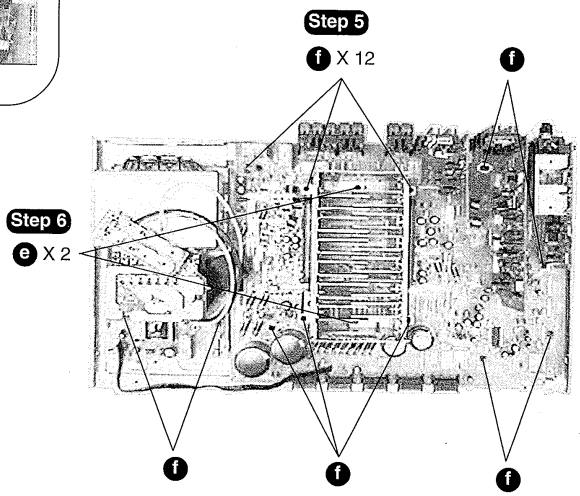
Step 1
Remove the top cabinet.

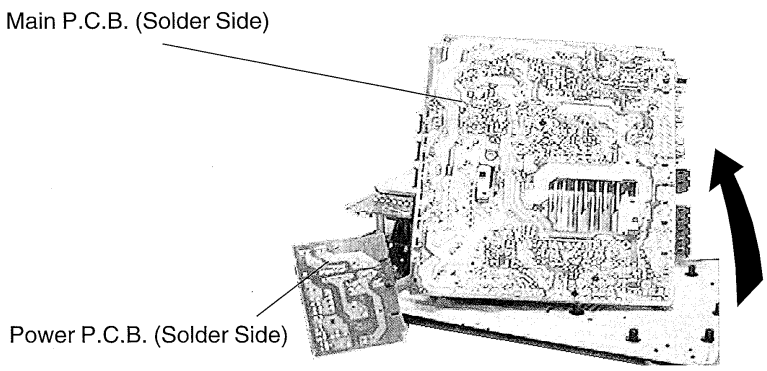
Step 2
Remove the front panel.

Step 4
Release the AC In/Out P.C.B. catches and the fan motor connector, then pull out the rear panel in the direction of arrow.









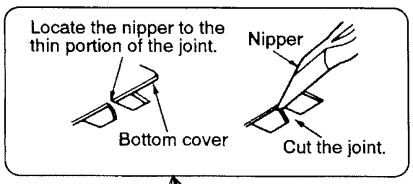
Step 7
Lift the Main P.C.B. in the direction of arrow .

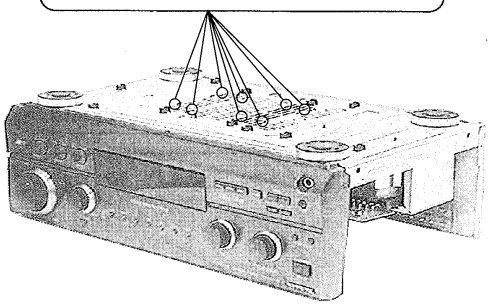
■ Main Component Replacement Procedures

1. Replacement of the Power IC and Regulator Transistor

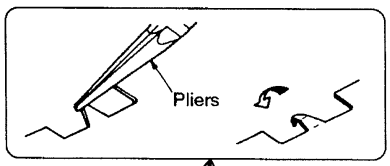
Step 1
Remove the top cabinet.

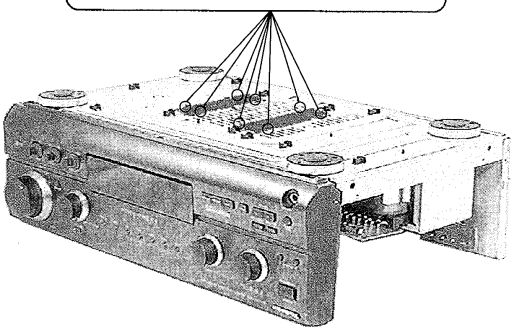
Step 2 **Cut the joints as shown below. (8 joints)**



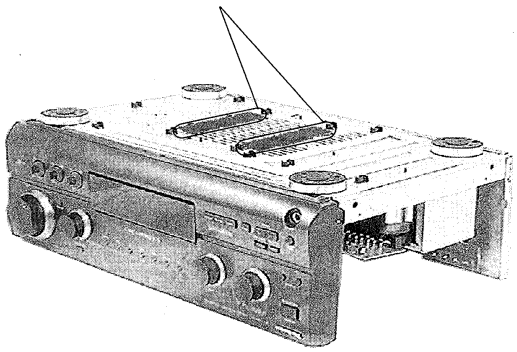


Step 3 **Fold the joints. (8 joints)**

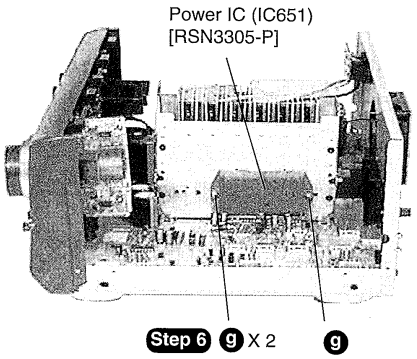


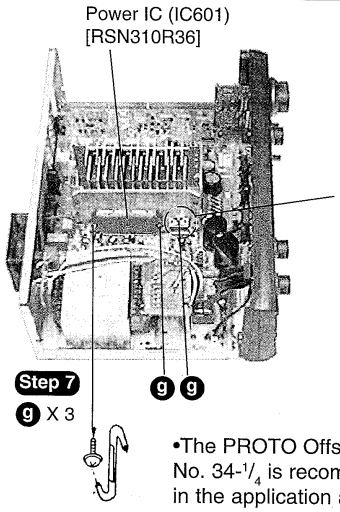


Step 4
Desolder the terminals of Power IC and Regulator Transistor.



Step 5
Remove all screws (ⓑ) for the Tuner, AC-3 and Pro Logic P.C.B.'s at the Rear Panel and pull out these P.C.B.'s from the Main P.C.B.





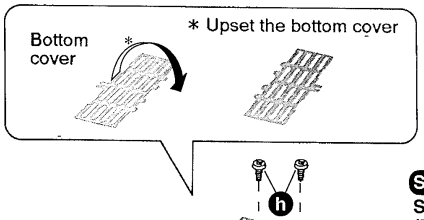
[XTW3+15T]

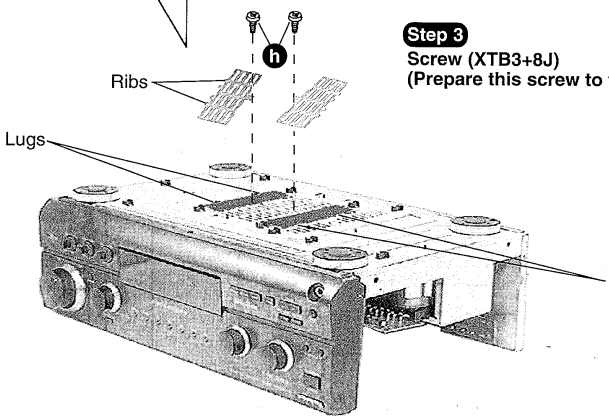
•The PROTO Offset Screwdriver No. 34-1/4 is recommended for use in the application above.

Installation of the bottom cover after replacement

[XTB3+8J] (Black)

Step 1





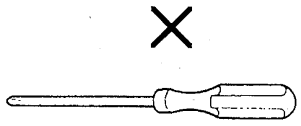
Step 3
Screw (XTB3+8J)
(Prepare this screw to fix the bottom cover.)

Step 2
Align the ribs of bottom cover into the lugs.

CAUTION

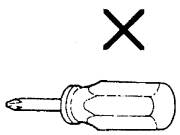
1. After replacing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002/SZZ0L15) between the heat sink and the power IC or regulator transistor (Radiation of power IC).
2. Tighten enough the screws (ⓖ) after replacing the power IC and regulator transistor. Otherwise, the heat radiation works little.
3. When installing or removing the power IC or transistor holder, be sure to use an offset screwdriver.

- A long straight screwdriver cannot be used for removing or mounting the screws since its long grip interferes with the neighbouring P.C.B. (See Fig.1)
- A short straight screwdriver may be used for removal, but cannot be used for mounting because the limited space in the unit will not allow sufficient tightening torque.(See Fig.2)



A long straight screwdriver

Fig.1

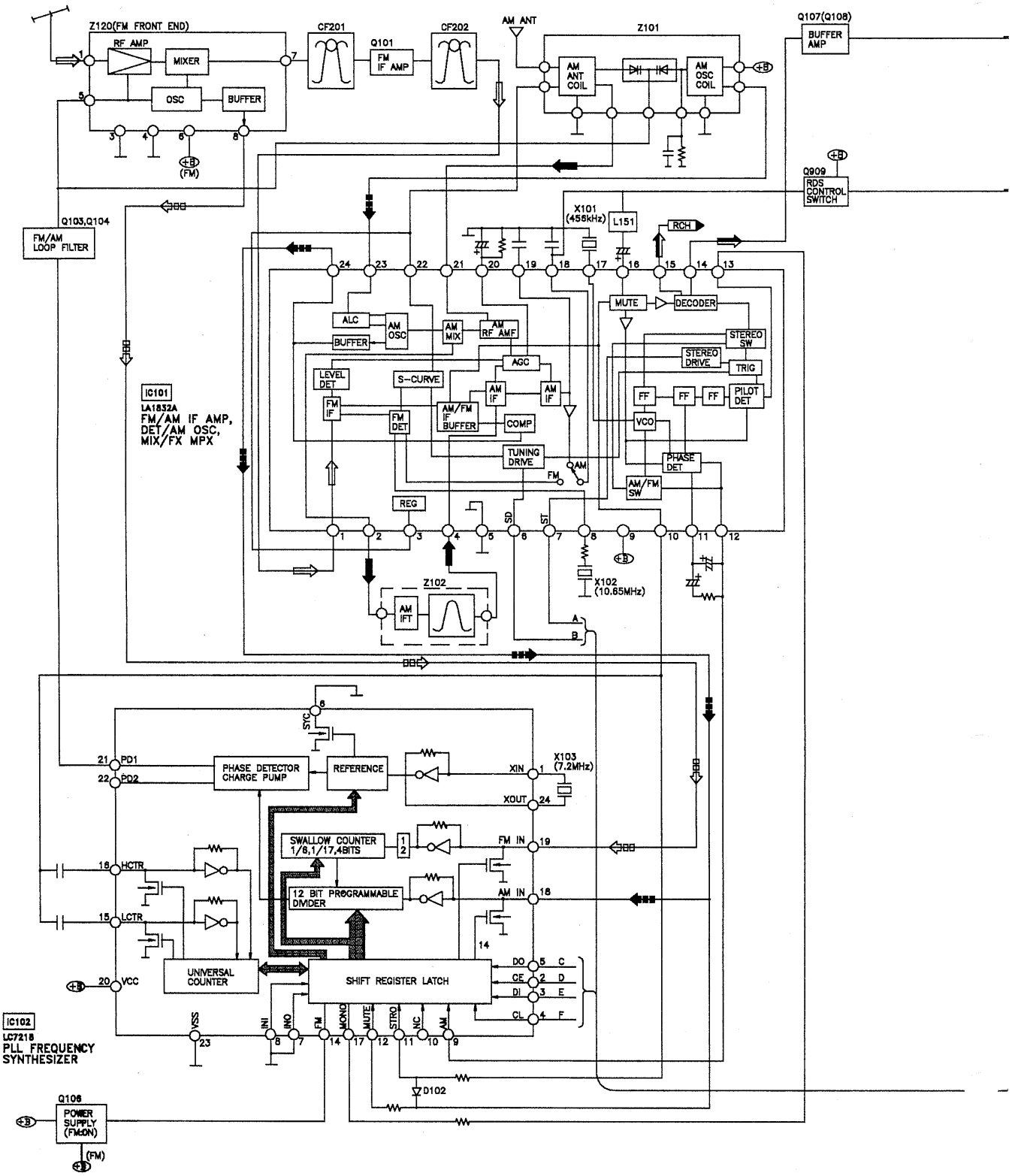


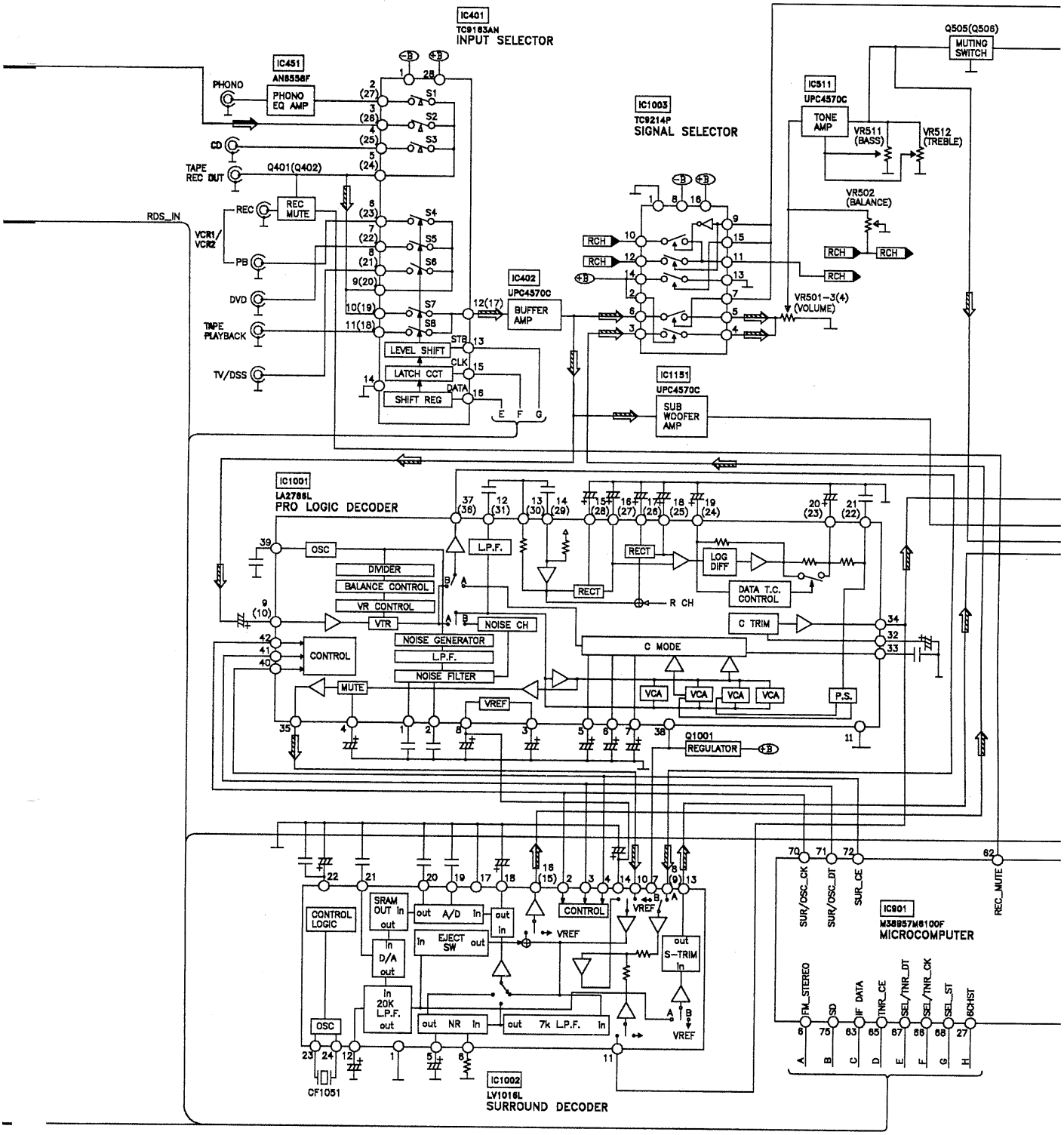
A short straight screwdriver

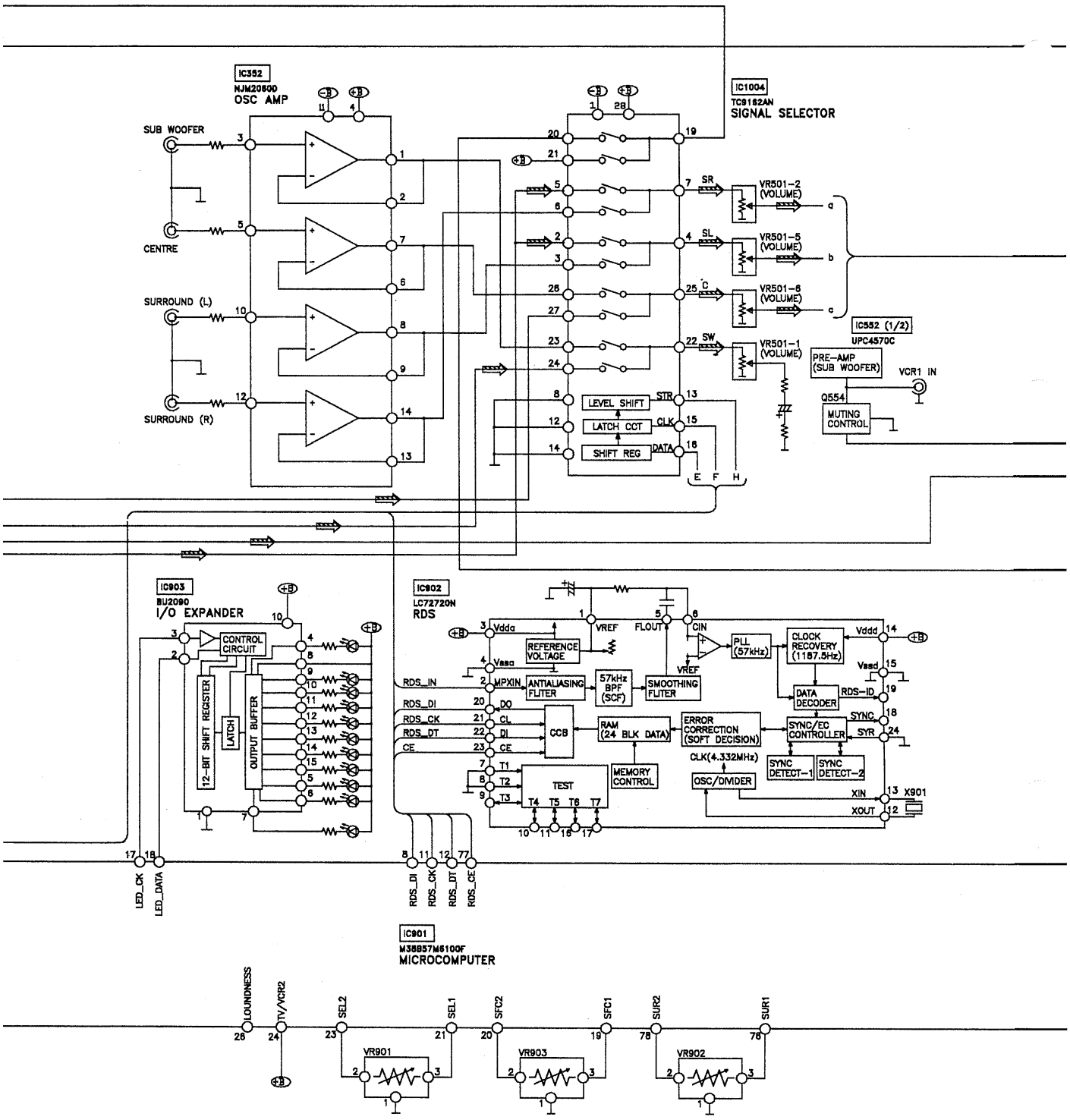
Fig.2

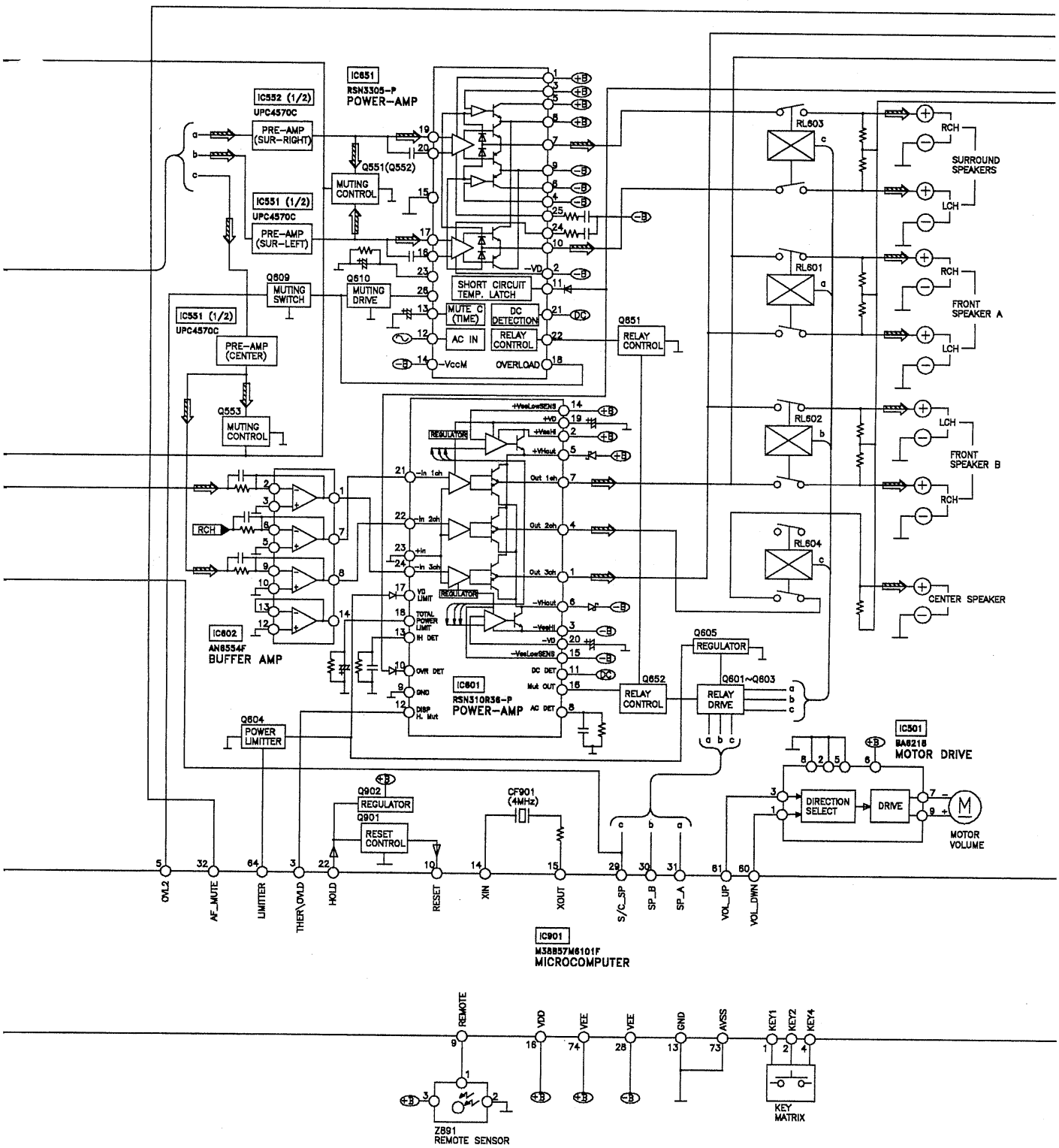
- Insufficient tightening will cause poor heat dissipation from the power IC and regulator transistor and,in the worst case, may lead to their thermal breakdown.

■ Block Diagram




IC401
TC9163AN
INPUT SELECTOR
IC451
AN6556F
PHONO EQ AMP
PHONO
CD
TAPE REC OUT
Q401(Q402)
REC
REC MUTE
RDS_IN
VCR1/ VCR2
PB
DVD
TAPE PLAYBACK
TV/DSS
S1
S2
S3
S4
S5
S6
S7
S8
IC402
UPC4570C
BUFFER AMP
LEVEL SHIFT
LATCH CCT
SHIFT REG
STB
CLK
DATA
E F G
IC1003
TC9214P
SIGNAL SELECTOR
RCH
VR501-3(4) (VOLUME)
IC511
UPC4570C
TONE AMP
VR511 (BASS)
VR512 (TREBLE)
VR502 (BALANCE)
Q505(Q506)
MUTING SWITCH
IC1151
UPC4570C
SUB WOOFER AMP
IC1001
LA2786L
PRO LOGIC DECODER
OSC
DIVIDER
BALANCE CONTROL
VR CONTROL
VTR
CONTROL
MUTE
NOISE GENERATOR
L.P.F.
NOISE FILTER
NOISE CH
VREF
L.P.F.
RECT
LOG DIFF
DATA T.C. CONTROL
R CH
C TRIM
C MODE
VCA
P.S.
Q1001
REGULATOR
CONTROL LOGIC
SRAM OUT
A/D
D/A
EJECT SW
20K L.P.F.
NR
7k L.P.F.
S-TRIM
OSC
CF1051
IC1002
LV1016L
SURROUND DECODER
IC901
M38957M8100F
MICROCOMPUTER
SUR/OSC_CK
SUR/OSC_DT
SUR_CE
REC_MUTE
FM_STEREO
SD
IF DATA
TNR_CE
SEL/TNR_DT
SEL/TNR_CK
SEL_ST
6CHST


IC352
NJM2068D
OSC AMP
SUB WOOFER
CENTRE
SURROUND (L)
SURROUND (R)
IC1004
TC9162AN
SIGNAL SELECTOR
SR
SL
C
SW
VR501-2 (VOLUME)
VR501-5 (VOLUME)
VR501-6 (VOLUME)
VR501-1 (VOLUME)
IC552 (1/2)
UPC4570C
PRE-AMP (SUB WOOFER)
VCR1 IN
Q554
MUTING CONTROL
LEVEL SHIFT
LATCH CCT
SHIFT REG
STR
CLK
DATA
E F H
IC903
BU2090
I/O EXPANDER
CONTROL CIRCUIT
12-BIT SHIFT REGISTER
LATCH
OUTPUT BUFFER
IC902
LC72720N
RDS
REFERENCE VOLTAGE
ANTIALIASING FLITER
57kHz BPF (SCF)
SMOOTHING FLITER
PLL (57kHz)
CLOCK RECOVERY (1187.5Hz)
DATA DECODER
RDS-ID
CCB
RAM (24 BLK DATA)
ERROR CORRECTION (SOFT DECISION)
SYNC/EC CONTROLLER
SYNC
SYR
SYNC DETECT-1
SYNC DETECT-2
MEMORY CONTROL
TEST
OSC/DIVIDER
CLK(4.332MHz)
XIN
XOUT
X901
RDS_IN
RDS_DI
RDS_CK
RDS_DT
CE
LED_CK
LED_DATA
IC901
M38B57M6100F
MICROCOMPUTER
LOUDNESS
TV/VCR2
SEL2
SEL1
SFC2
SFC1
SUR2
SUR1
VR901
VR903
VR902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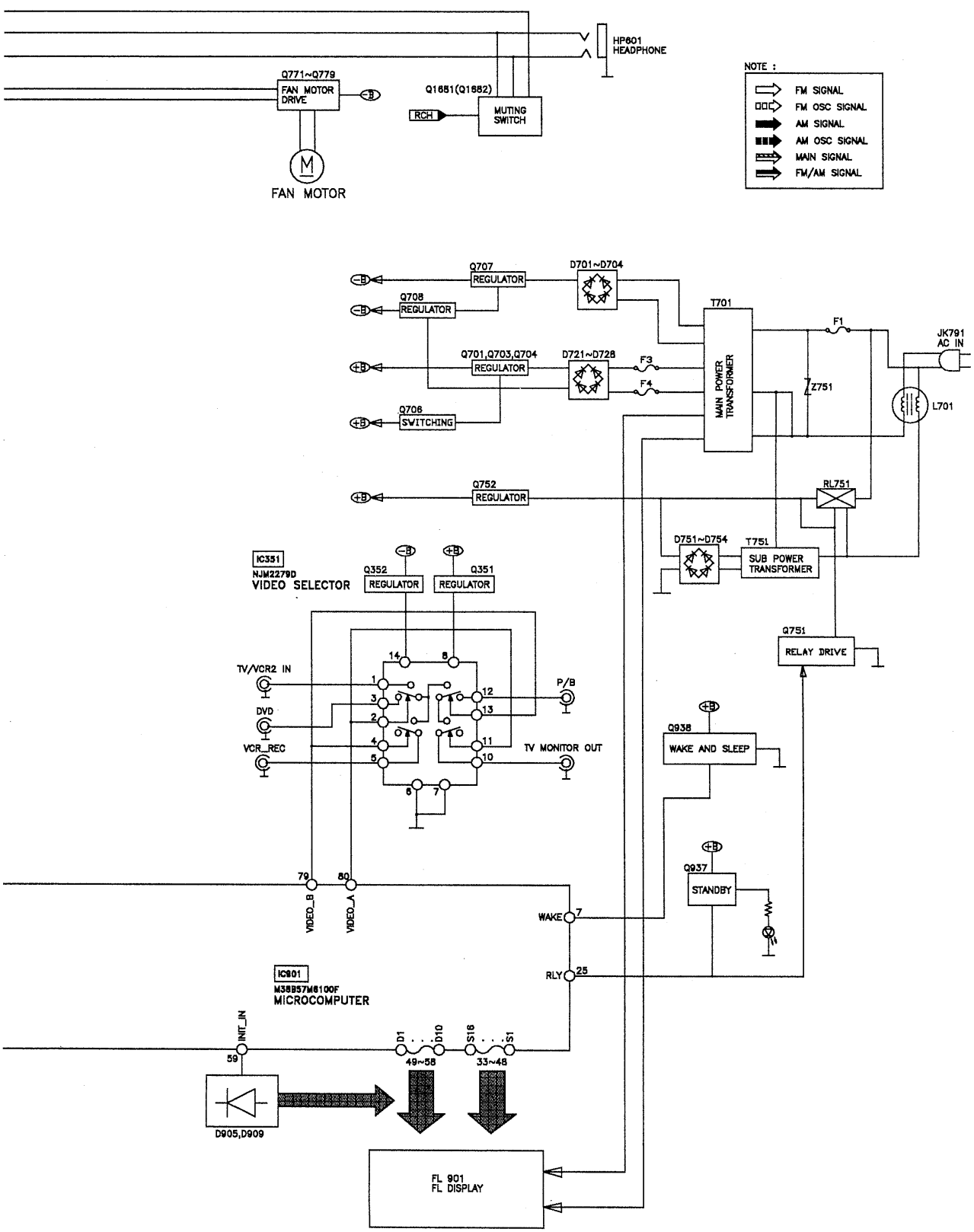
RSN3305-P
POWER-AMP
IC552 (1/2)
UPC4570C
PRE-AMP
(SUR-RIGHT)
IC551 (1/2)
UPC4570C
PRE-AMP
(SUR-LEFT)
IC551 (1/2)
UPC4570C
PRE-AMP
(CENTER)
Q551(Q552)
MUTING
CONTROL
Q609
MUTING
SWITCH
Q610
MUTING
DRIVE
Q553
MUTING
CONTROL
SHORT CIRCUIT
TEMP. LATCH
MUTE C
(TIME)
DC
DETECTION
AC IN
RELAY
CONTROL
-VccM
OVERLOAD
Q651
RELAY
CONTROL
RL603
RL601
RL602
RL604
RCH
LCH
SURROUND
SPEAKERS
FRONT
SPEAKER A
FRONT
SPEAKER B
CENTER SPEAKER
IC602
AN6554F
BUFFER AMP
IC801
RSN310R36-P
POWER-AMP
Q604
POWER
LIMITTER
Q605
REGULATOR
Q601~Q603
RELAY
DRIVE
Q652
RELAY
CONTROL
IC501
BA6218
MOTOR DRIVE
DIRECTION
SELECT
DRIVE
MOTOR
VOLUME
Q902
REGULATOR
Q901
RESET
CONTROL
CF901
(4MHz)
OVL2
AF_MUTE
LIMITTER
THER\OVLD
HOLD
RESET
XIN
XOUT
S/C_SP
SP_B
SP_A
VOL_UP
VOL_DWN
IC901
M38B57M6101F
MICROCOMPUTER
REMOTE
VDD
VEE
VEE
GND
AVSS
KEY1
KEY2
KEY4
Z891
REMOTE SENSOR
KEY
MATRIX


HP601
HEADPHONE
Q771~Q779
FAN MOTOR DRIVE
Q1651(Q1652)
MUTING SWITCH
RCH
FAN MOTOR
NOTE :
FM SIGNAL
FM OSC SIGNAL
AM SIGNAL
AM OSC SIGNAL
MAIN SIGNAL
FM/AM SIGNAL
Q707
REGULATOR
D701~D704
Q708
REGULATOR
T701
F1
JK791
AC IN
Q701,Q703,Q704
REGULATOR
D721~D728
F3
F4
MAIN POWER TRANSFORMER
Z751
L701
Q706
SWITCHING
Q752
REGULATOR
RL751
D751~D754
T751
SUB POWER TRANSFORMER
IC351
NJM2279D
VIDEO SELECTOR
Q352
REGULATOR
Q351
REGULATOR
Q751
RELAY DRIVE
TV/VCR2 IN
DVD
VCR_REC
P/B
TV MONITOR OUT
Q938
WAKE AND SLEEP
Q937
STANDBY
VIDEO_B
VIDEO_A
WAKE
RLY
IC801
M38B57M8100F
MICROCOMPUTER
INT_IN
D905,D909
49~58
33~48
FL 901
FL DISPLAY

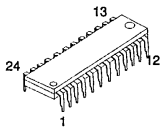
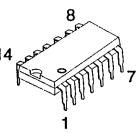
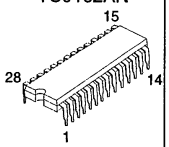
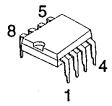
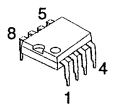
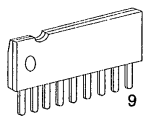
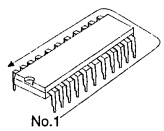
■ Terminal Functions Of ICs

• IC901 (M38B57M6101F) System Microprocessor

Pin No.	Mark	I/O	Function
1~2	KEY2~KEY1	I	Key Input 1 ~ 2
3	THERM/OVLD1	I	Thermal/Over load input 1
4	KEY4	I	Key Input 4
5	THERM/OVLD2	I	Thermal/Over load input 2
6	FM_ST	I	Stereo signal detect terminal
7	WAKE_LED	O	Wake up timer LED
8	RDS_ST	I	Control of RDS IC (ST) stereo signal
9	REMOTE	I	Remote control terminal
10	RESET	–	Reset detect terminal
11	RDS_CK	I	Control of RDS IC (CK) clock signal
12	RDS_DT	I	Control of RDS IC (DT) data signal
13	GND	–	GND terminal
14	OCS	–	Crystal oscillator terminal (4 MHz)
15	OCS	–	Crystal oscillator terminal (4 MHz)
16	VDD (+5V)	–	Power supply terminal +5V
17	LED_IC_CK	O	LED driver IC (CK) clock signal
18	LED_IC_DT	O	LED driver IC (DT) data signal
19	SFC/PTY_ENCD1	I	SFC mode encoder input 1
20	SFC/PTY_ENCD2	I	SFC mode encoder input 2
21	SEL_ENCD1	I	Selector encoder for input 1
22	HOLD	I	Blackout detection terminal
23	SEL_ENCD2	I	Selector encoder for input 2
24	FRT_VCR2	I	VCR2 control input
25	RELAY	–	Relay control output
26	ABS	O	ABS control output
27	6ch_SW_ST	O	6 ch sw control output (ST)
28	Vee (-22V)	–	Power supply for FL driver
29	S/C_SP	O	Surround/Center speaker control output

Pin No.	Mark	I/O	Function
30	SP_B	O	Speaker B control output
31	SP_A	O	Speaker A control output
32	AF_MUTE	O	Muting control output
33~48	SEG16~SEG1	O	FL segment signal output
49~58	DEG1~DEG10	O	FL digit signal output
59	INIT_IN	I	Diode input initial settings
60	VOL_DOWN	O	Volume control output (Down)
61	VOL_UP	O	Volume control output (Up)
62	REC_MUTE	O	REC Mute control
63	IF_DATA	I	Serial data signal
64	LIMITTER	O	Power limitter control output
65	TNR_CE	O	Tuner control (CE) chip enable signal
66	SEL/TNR_CK	O	Selector/Tuner (CK) clock signal
67	SEL/TNR_DT	O	Selector/Tuner (DT) data signal
68	SEL_ST	O	Selector control terminal
69	MMD_CTRL	O	MMD control terminal
70	SURR_CK	O	Surround control (CK) clock signal
71	SURR_DT	O	Surround control (DT) data signal
72	SURR_CE	O	Surround control (CE) chip enable signal
73	AVSS	–	GND for A-D converter
74	VREF	–	Reference voltage for A-D converter
75	SD	I	SD signal detect input
76	SUR_ENCD1	I	Encoder of surround mode selector input1
77	HELP_LED	O	Help LED control output
78	SUR_ENCD2	I	Encoder of surround mode selector input2
79	VIDEO_A	O	Video selector control output A
80	VIDEO_B	O	Video selector control output B

■ Terminal Guide of ICs, Transistors and Diodes

LA1832A LC7218 LV1016L	NJM2279D NJM2060D	TC9163AN TC9162AN	UPC4570C	AN6558F	BA6218	LA2786L (42Pin)
						
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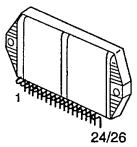
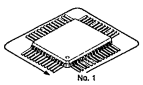
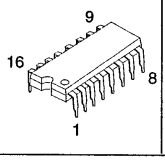
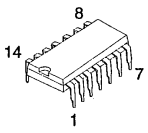
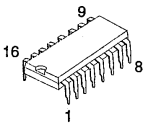
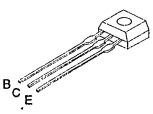
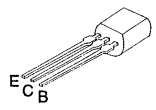
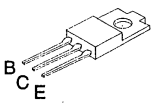
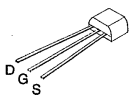
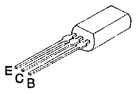
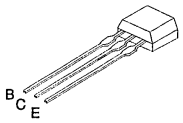
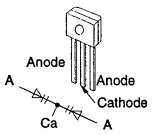
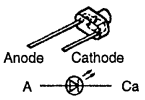
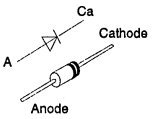
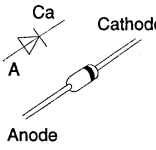
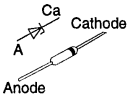
						

2SB621AQSTA 2SD592AQSTA 	2SB1548PQAU 2SD2374PQAU 	2SK381CTA 	2SC3940AQSTA 2SA1534AQRTA 	2SC1740SSTA 2SA933SSTA  RVTDTA143XST RVTDTC143XST RVTDTA114EST RVTDTC114EST RVTDTC114TST RVTDTA114YST RVTDTC114YST
SVC211SPA-AL 	SLR325MCT31 SLR325VCT31 	1N5402BM21 RK306LFU1 	 RVD1SS133TA 1SR35200TB MA700ATA 1SS291TA MA167ATA MA165TA	MTZJ10CTA MTZJ15CTA MTZJ27DTA MTZJ3R9ATA  MTZJ4R3BTA MTZJ4R7BTA MTZJ5R1BTA MTZJ5R6BTA MTZJ6R2BTA MTZJ6R8BTA MTZJ7R5CTA MTZJ9R1CTA

■ Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

Note :

- **S946** : Power switch
- **S948** : Muting switch
- **S950** : FM Mode switch
- **S951** : Band select switch
- **S952** : Tuning decrease switch
- **S953** : Tuning increase switch
- **S954** : Timer switch
- **S955** : Memory switch
- **S956** : T. Mode switch
- **S958** : Help-Reset switch
- **S970** : Search switch
- **S971** : EON switch
- **S974** : Display switch
- **S976** : DVD 6CH switch
- **S980** : Speakers A switch
- **S981** : Speakers B switch
- **S985** : Center mode select switch
- **S986** : Delay switch

- **VR501** : Volume control
- **VR502** : Balance control
- **VR511** : Bass control
- **VR512** : Treble control
- **VR901** : Input Selector knob
- **VR902** : Dolby Pro-Logic select knob
- **VR903** : Mode /SFC on off knob

- **Signal line**

: +B line　: AM signal line　: FM signal line

: - B line　: AM OSC signal line　: FM OSC signal line

: FM/AM signal line　: Main signal line

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis.
  Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

< > : FM　　( ) : AM　　No mark : Playback

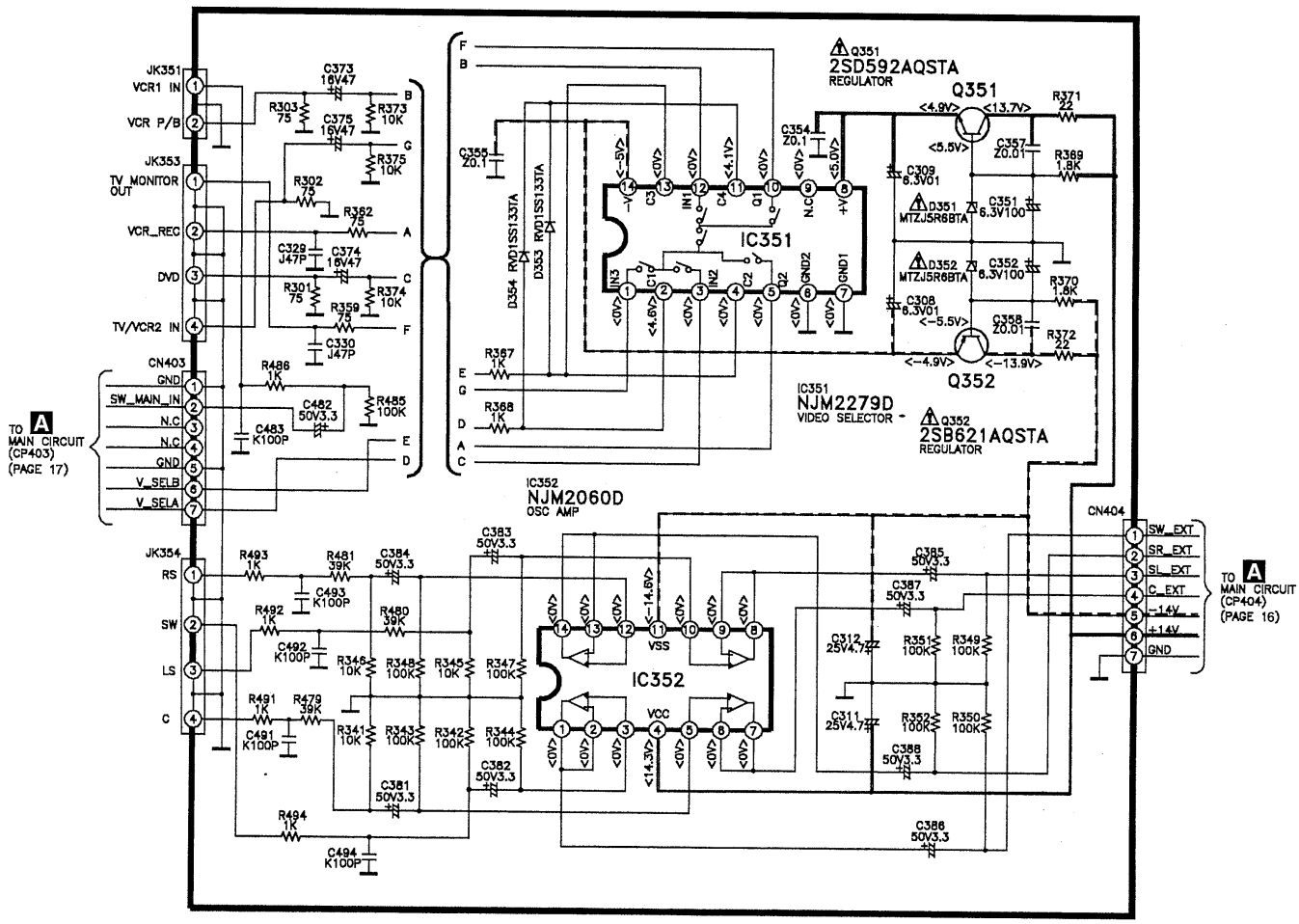
- **Importance safety notice:**
  Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

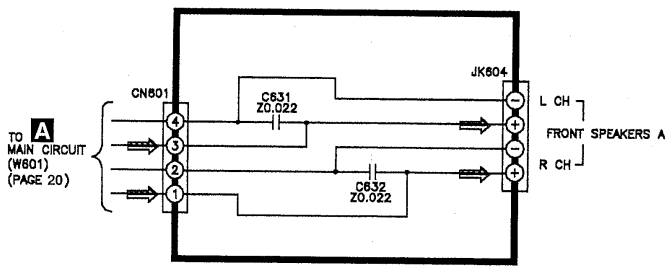
IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.
- Put a conductive mat on the work table.

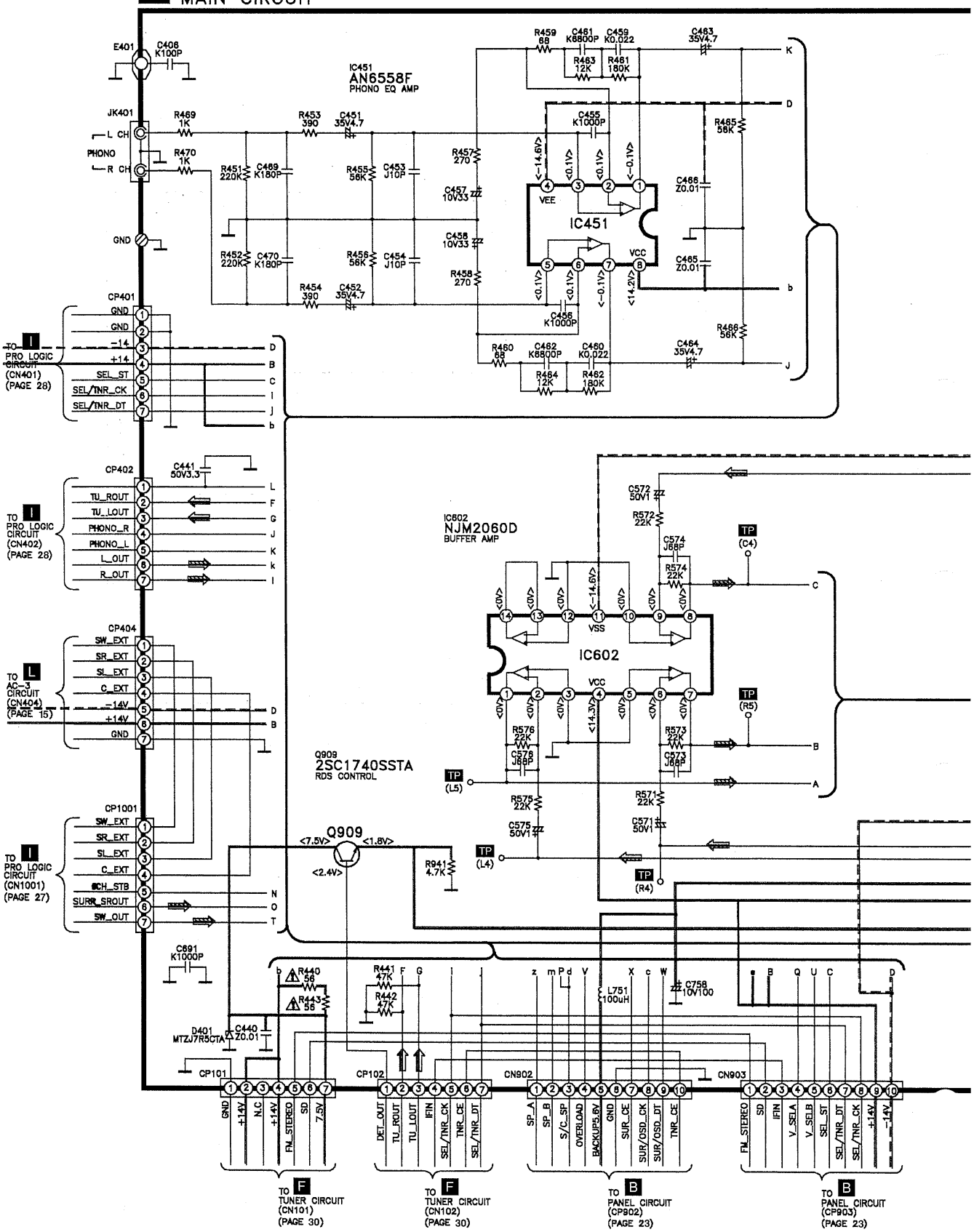
L AC-3 CIRCUIT

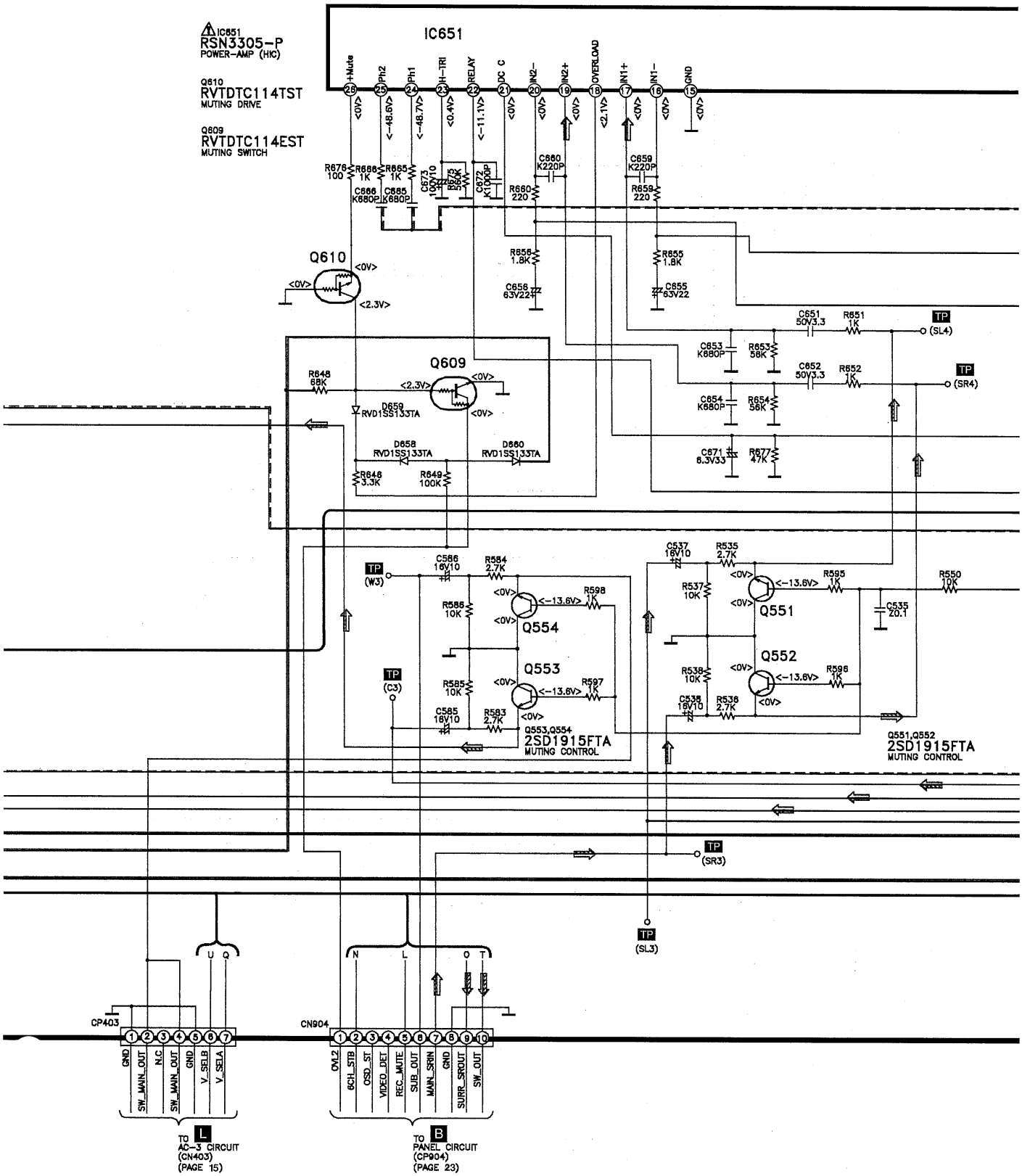


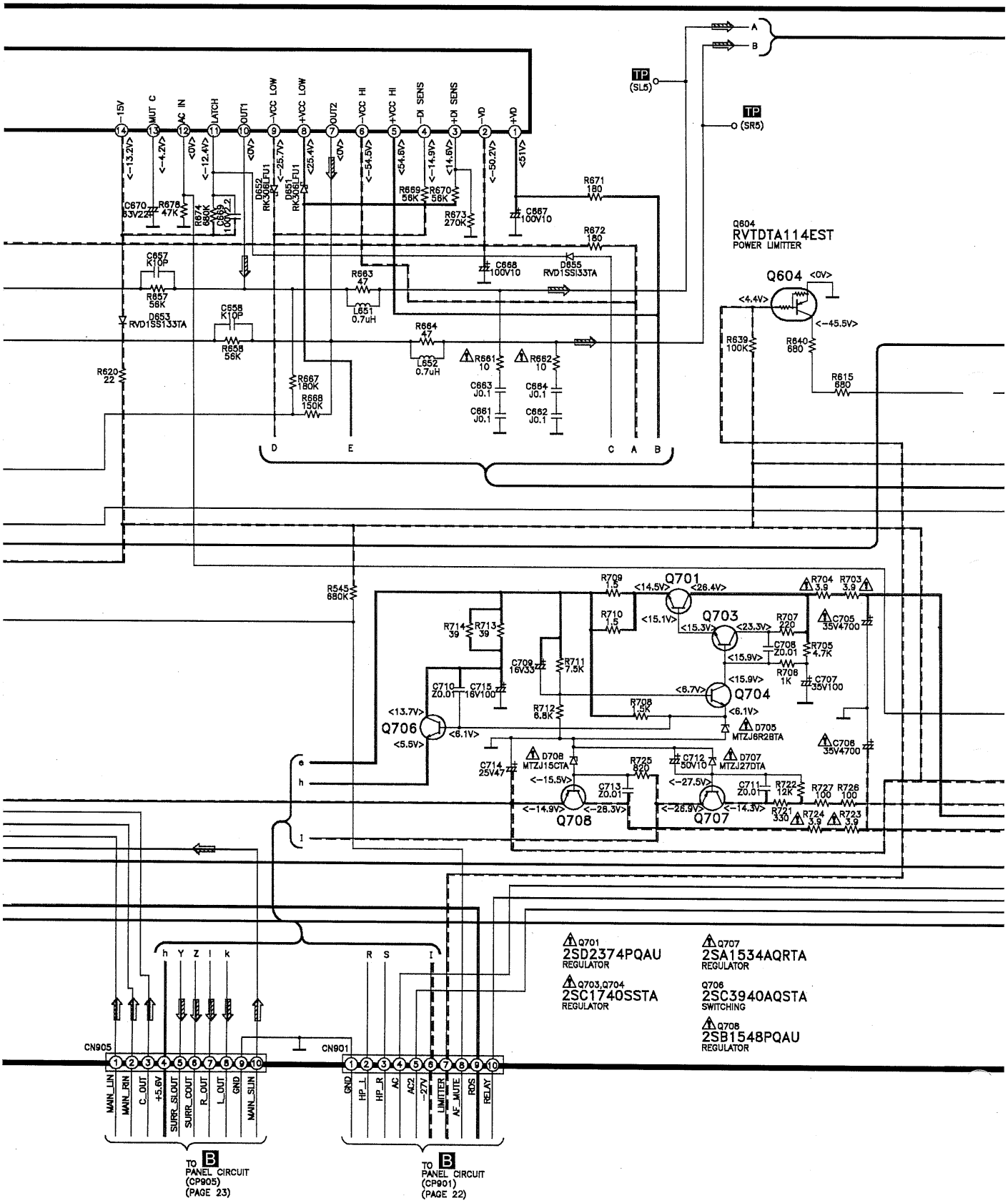
K FRONT SPEAKERS A

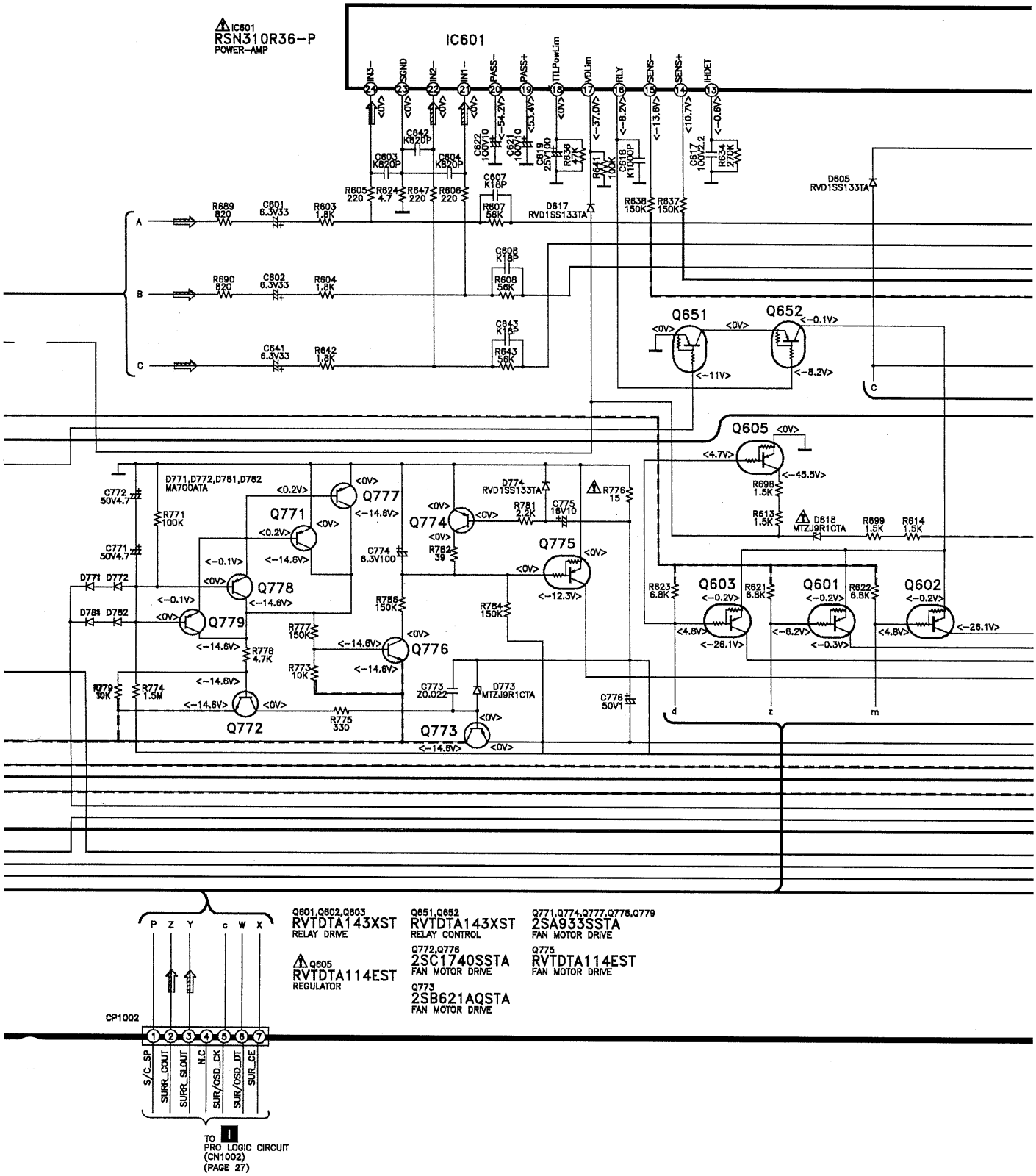


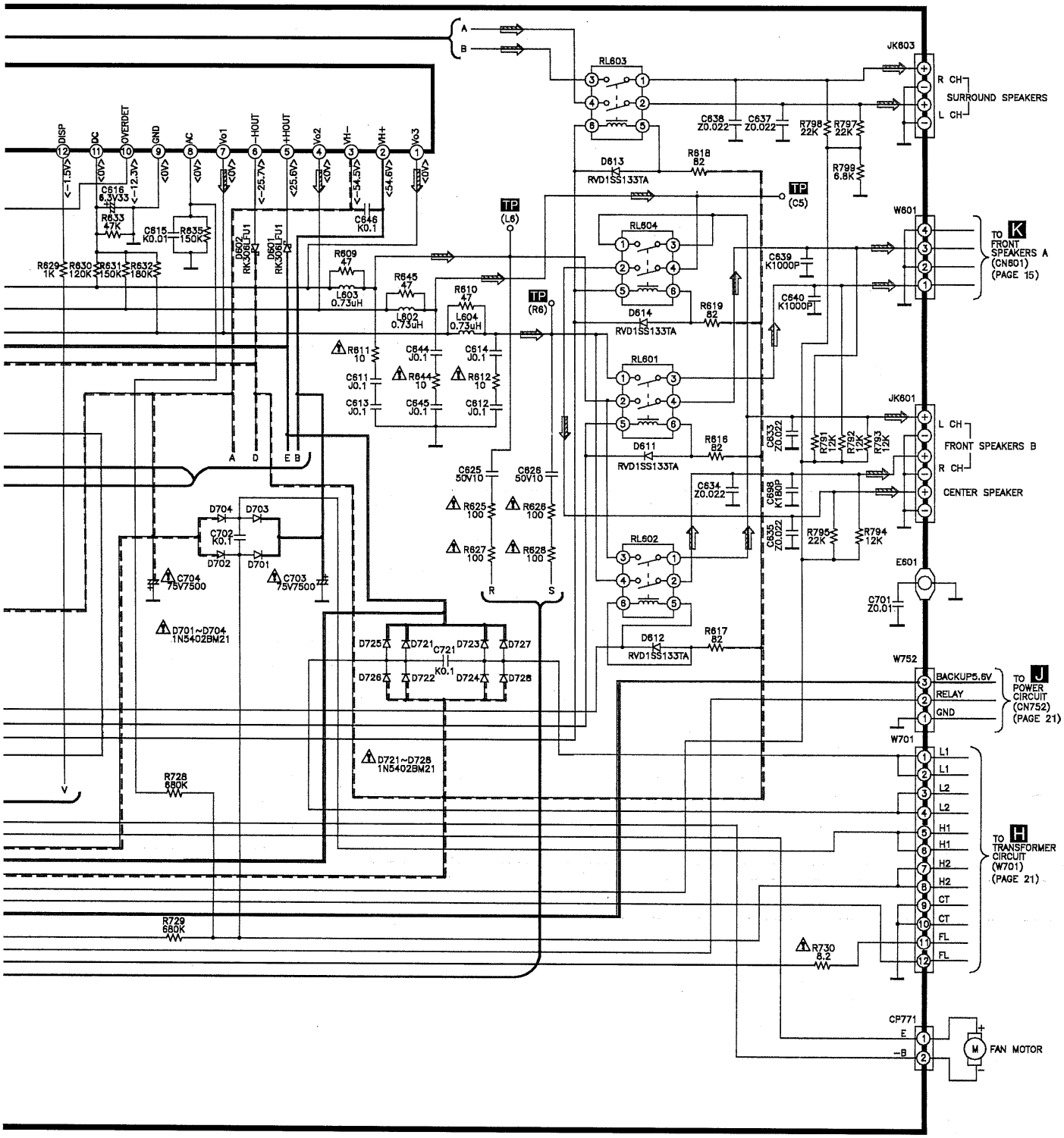
A MAIN CIRCUIT

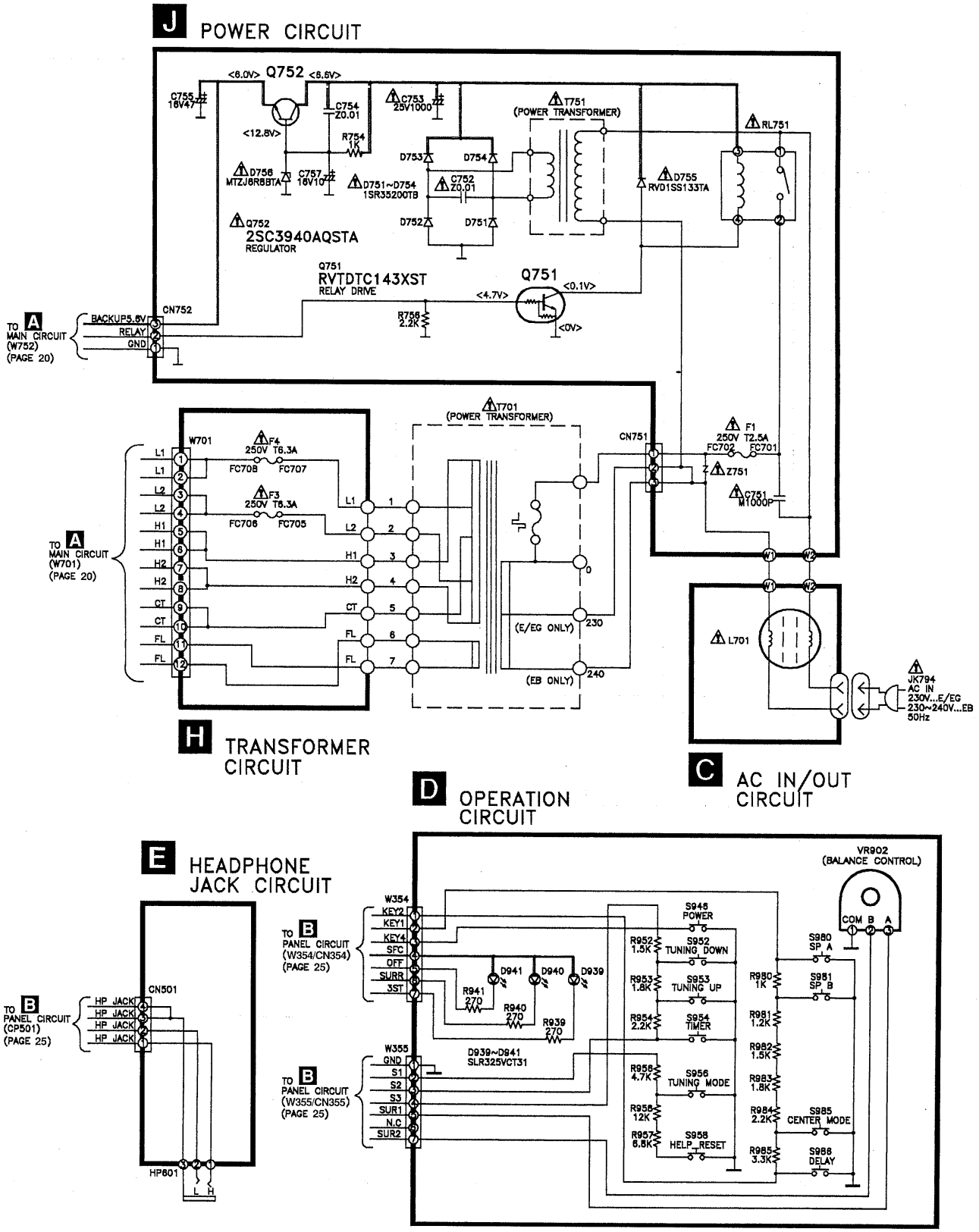



IC651
RSN3305-P
POWER-AMP (HIC)
Q610
RVTDTC114TST
MUTING DRIVE
Q609
RVTDTC114EST
MUTING SWITCH
IC651
+Mute
Ph2
Ph1
H-TRI
RELAY
DC C
IN2-
IN2+
OVERLOAD
IN1+
IN1-
GND
Q610
Q609
Q554
Q553
Q551
Q552
Q553,Q554
2SD1915FTA
MUTING CONTROL
Q551,Q552
2SD1915FTA
MUTING CONTROL
TP (W3)
TP (C3)
TP (SL4)
TP (SR4)
TP (SR3)
TP (SL3)
CP403
CN904
GND
SW_MAIN_OUT
N.C
SW_MAIN_OUT
GND
V_SELB
V_SELA
OVL2
6CH_STB
OSD_ST
VIDEO_DET
REC_MUTE
SUB_OUT
MAIN_SRIN
GND
SURR_SROUT
SW_OUT
TO L AC-3 CIRCUIT (CN403) (PAGE 15)
TO B PANEL CIRCUIT (CP904) (PAGE 23)

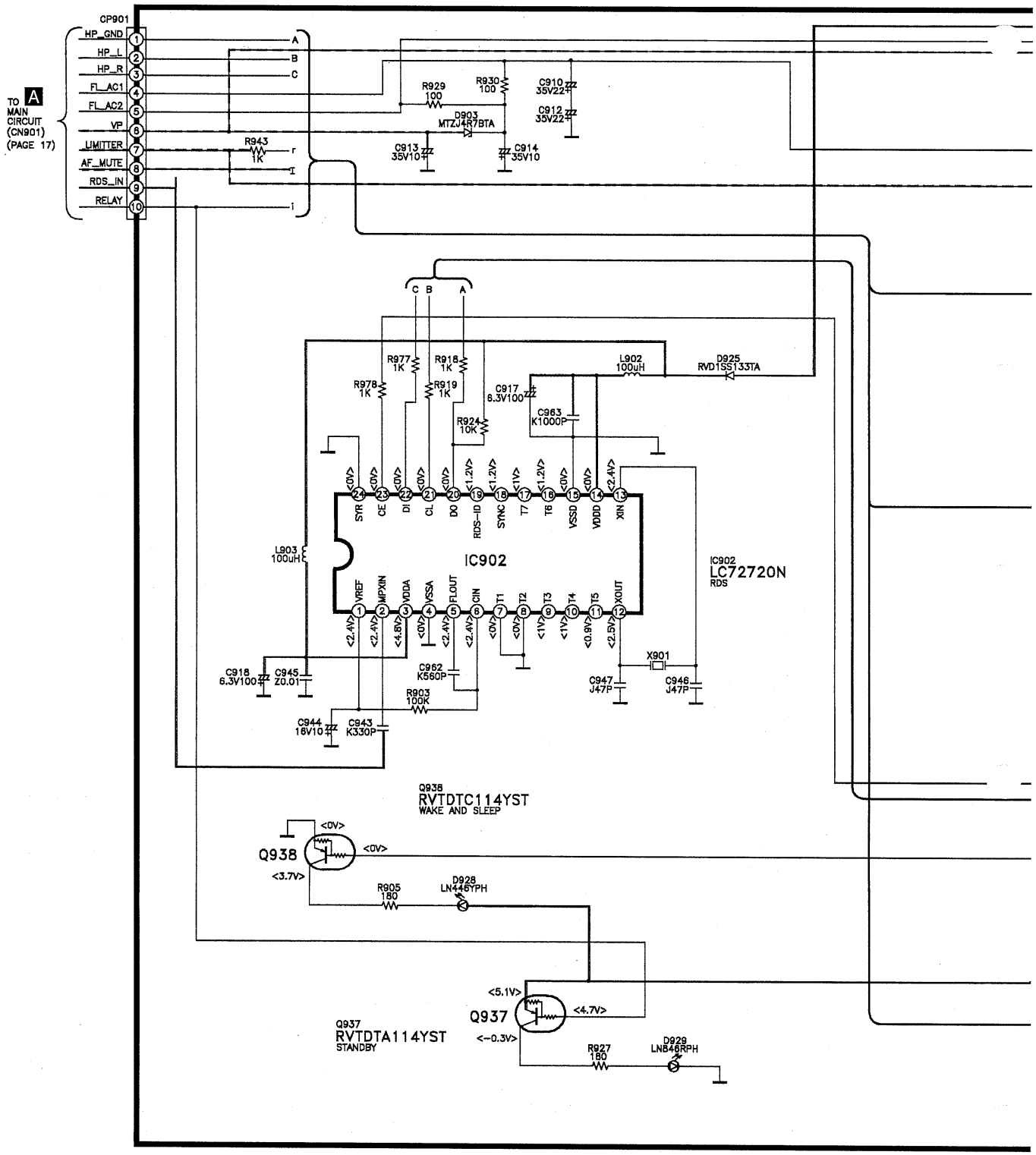

TP (SL5)
TP (SR5)
Q604 RVTDTA114EST POWER LIMITTER
Q701 2SD2374PQAU REGULATOR
Q703,Q704 2SC1740SSTA REGULATOR
Q706 2SC3940AQSTA SWITCHING
Q707 2SA1534AQRTA REGULATOR
Q708 2SB1548PQAU REGULATOR
CN905
CN901
MAIN_LIN
MAIN_RIN
C_OUT
+5.6V
SURR_SLOUT
SURR_COUT
R_OUT
L_OUT
GND
MAIN_SLIN
HP_L
HP_R
AC
AC2
-27V
LIMITTER
AF_MUTE
ROS
RELAY
TO B PANEL CIRCUIT (CP905) (PAGE 23)
TO B PANEL CIRCUIT (CP901) (PAGE 22)

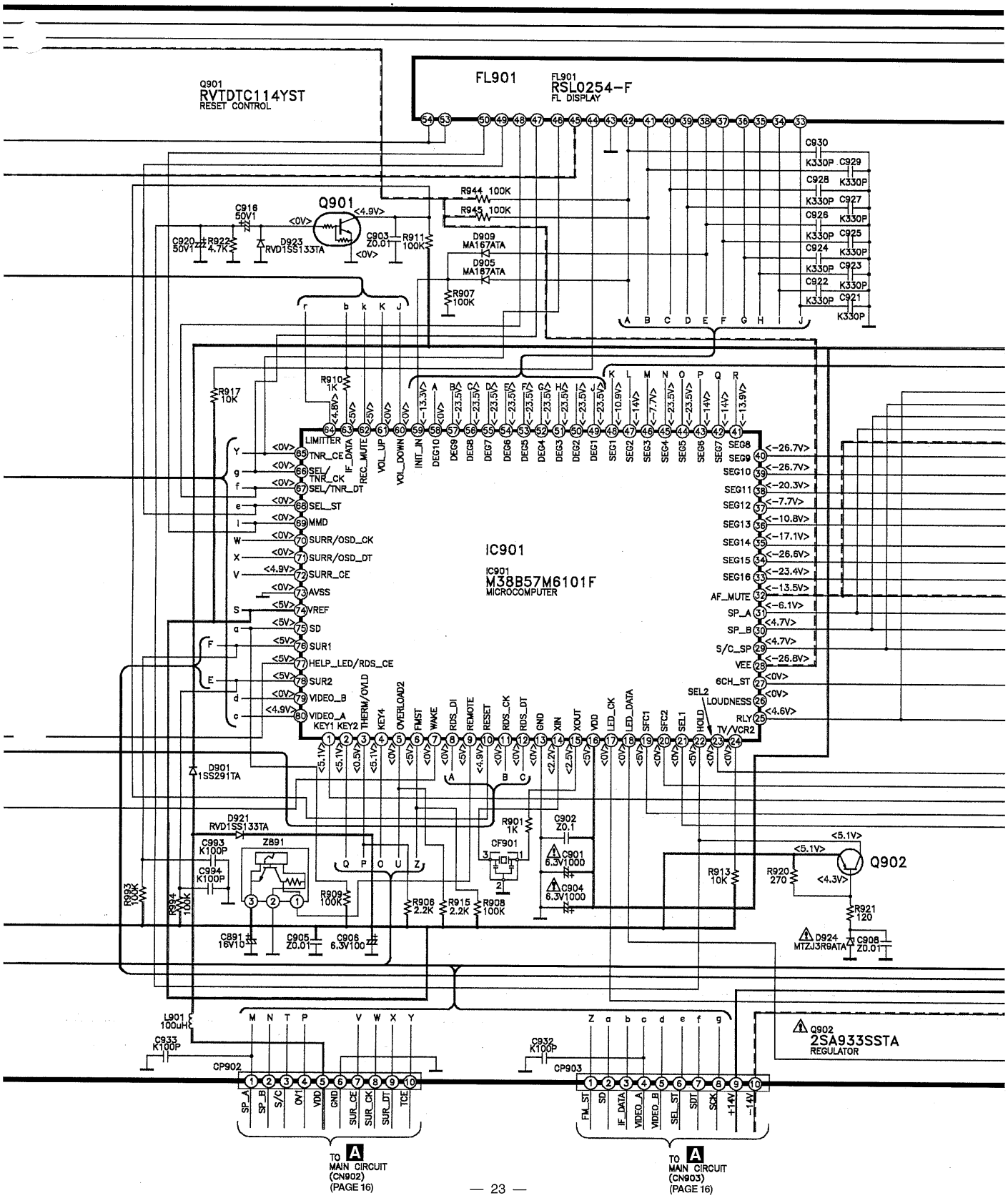

IC601
RSN310R36-P
POWER-AMP
IC601
IN3-
SGND
IN2-
IN1-
PASS-
PASS+
TTLPowLim
VDLim
RLY
SENS-
SENS+
HDET
Q651
Q652
Q605
Q771
Q772
Q773
Q774
Q775
Q776
Q777
Q778
Q779
Q603
Q601
Q602
D605
RVD1SS133TA
D817
RVD1SS133TA
D774
RVD1SS133TA
D618
MTZJ9R1CTA
D773
MTZJ9R1CTA
D771,D772,D781,D782
MA700ATA
Q601,Q602,Q603
RVTDTA143XST
RELAY DRIVE
Q605
RVTDTA114EST
REGULATOR
Q651,Q652
RVTDTA143XST
RELAY CONTROL
Q772,Q776
2SC1740SSTA
FAN MOTOR DRIVE
Q773
2SB621AQSTA
FAN MOTOR DRIVE
Q771,Q774,Q777,Q778,Q779
2SA933SSTA
FAN MOTOR DRIVE
Q775
RVTDTA114EST
FAN MOTOR DRIVE
CP1002
S/C_SP
SURR_COUT
SURR_SLOUT
N.C
SUR/OSD_CK
SUR/OSD_DT
SUR_CE
TO I
PRO LOGIC CIRCUIT
(CN1002)
(PAGE 27)

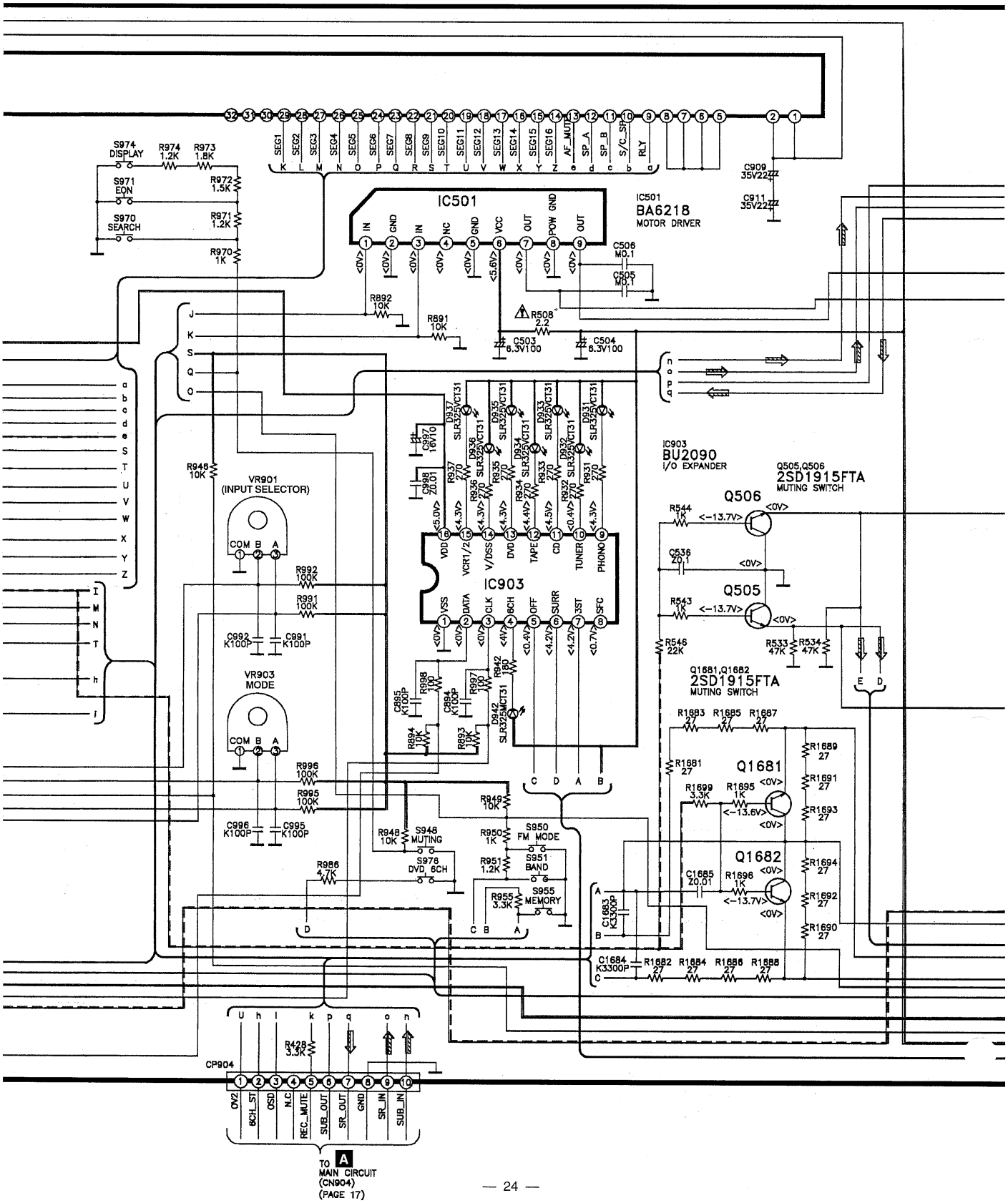

DISP
DC
OVERDET
GND
AC
Vo1
-HOUT
+HOUT
Vo2
VH-
VH+
Vo3
RL603
RL604
RL601
RL602
JK603
R CH
SURROUND SPEAKERS
L CH
JK601
L CH
FRONT SPEAKERS B
R CH
CENTER SPEAKER
W601
TO K
FRONT SPEAKERS A
(CN601)
(PAGE 15)
W752
BACKUP5.6V
RELAY
GND
TO J
POWER CIRCUIT
(CN752)
(PAGE 21)
W701
L1
L2
H1
H2
CT
FL
TO H
TRANSFORMER CIRCUIT
(W701)
(PAGE 21)
E601
CP771
E
-B
FAN MOTOR
TP
(L6)
TP
(R6)
TP
(C5)
D613
RVD1SS133TA
D614
RVD1SS133TA
D611
RVD1SS133TA
D612
RVD1SS133TA
D704
D703
D702
D701
D725
D721
D723
D727
D726
D722
D724
D728
D701~D704
1N5402BM21
D721~D728
1N5402BM21
R728
680K
R729
680K
R730
8.2

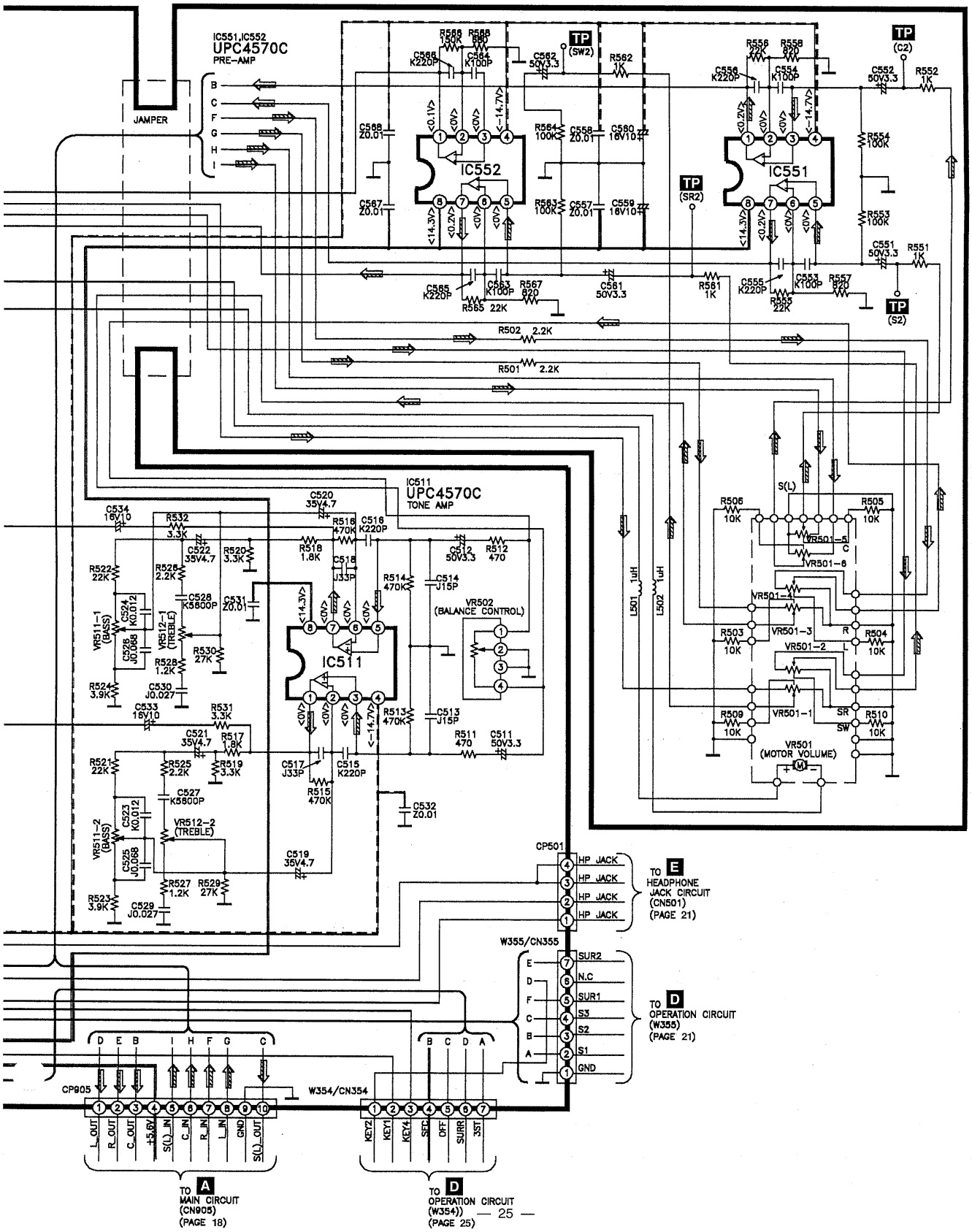

J POWER CIRCUIT
Q752
2SC3940AQSTA
REGULATOR
Q751
RVTDTC143XST
RELAY DRIVE
CN752
BACKUP5.6V
RELAY
GND
TO A MAIN CIRCUIT (W752) (PAGE 20)
T751 (POWER TRANSFORMER)
RL751
D751~D754 1SR35200TB
D755 RVD1SS133TA
D756 MTZJ6R8BTA
C752 Z0.01
C753 25V1000
C754 Z0.01
C755 16V47
C757 16V10
R754 1K
R758 2.2K
W701
F4 250V T6.3A FC708 FC707
F3 250V T6.3A FC706 FC705
T701 (POWER TRANSFORMER)
CN751
F1 250V T2.5A FC702 FC701
Z751
C751 M1000P
L701
JK794 AC IN 230V...E/EG 230~240V...EB 50Hz
TO A MAIN CIRCUIT (W701) (PAGE 20)
H TRANSFORMER CIRCUIT
C AC IN/OUT CIRCUIT
D OPERATION CIRCUIT
E HEADPHONE JACK CIRCUIT
CN501
HP JACK
HP801
TO B PANEL CIRCUIT (CP501) (PAGE 25)
W354
KEY2
KEY1
KEY4
SFC
OFF
SURR
3ST
TO B PANEL CIRCUIT (W354/CN354) (PAGE 25)
D941
D940
D939
R941 270
R940 270
R939 270
D939~D941 SLR325VCT31
W355
GND
S1
S2
S3
SUR1
N.C
SUR2
TO B PANEL CIRCUIT (W355/CN355) (PAGE 25)
VR902 (BALANCE CONTROL)
COM B A
S946 POWER
S952 TUNING DOWN
S953 TUNING UP
S954 TIMER
S956 TUNING MODE
S958 HELP, RESET
S980 SP A
S981 SP B
S985 CENTER MODE
S988 DELAY
R952 1.5K
R953 1.8K
R954 2.2K
R958 4.7K
R958 12K
R957 6.8K
R980 1K
R981 1.2K
R982 1.5K
R983 1.8K
R984 2.2K
R985 3.3K

B PANEL CIRCUIT

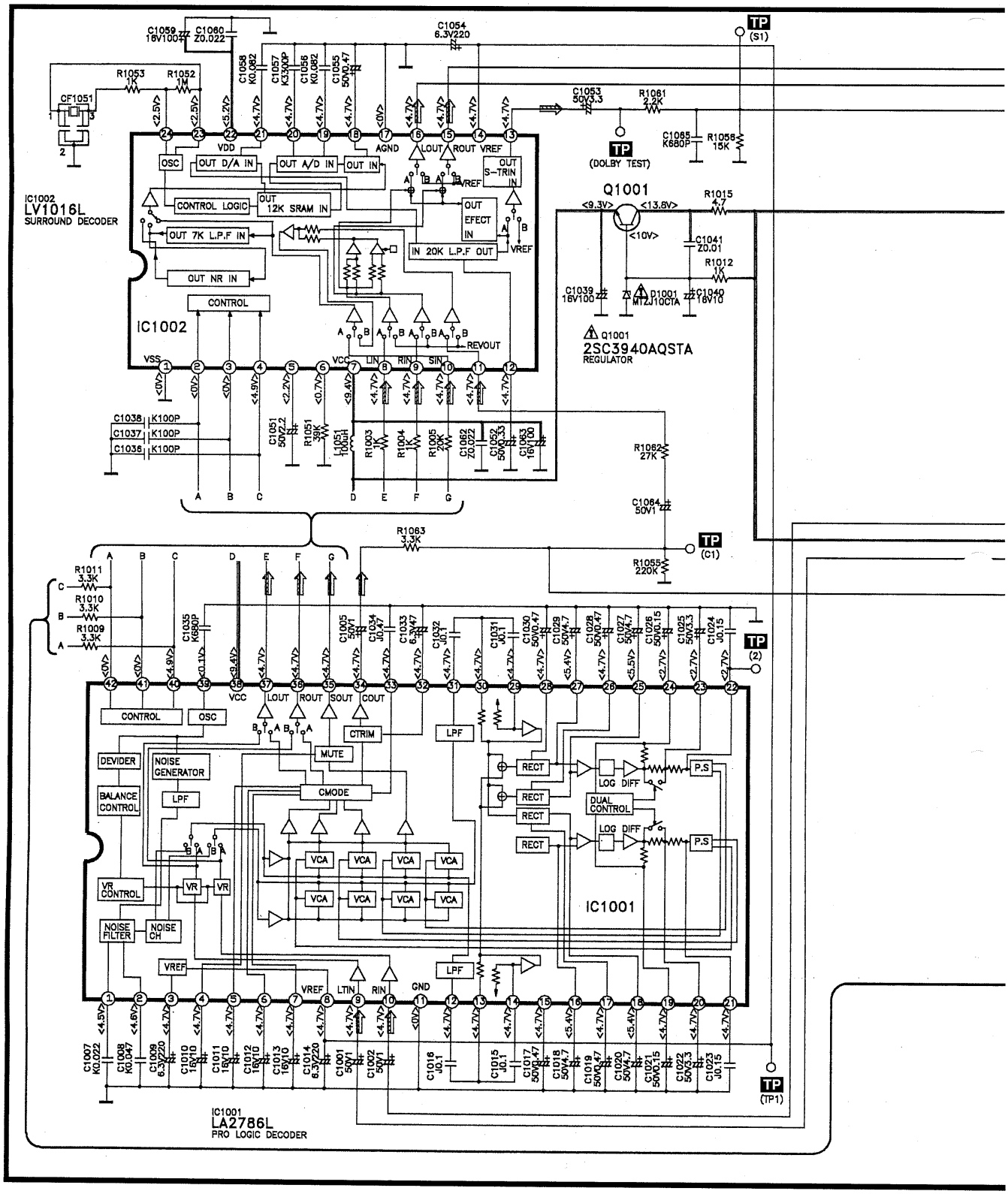


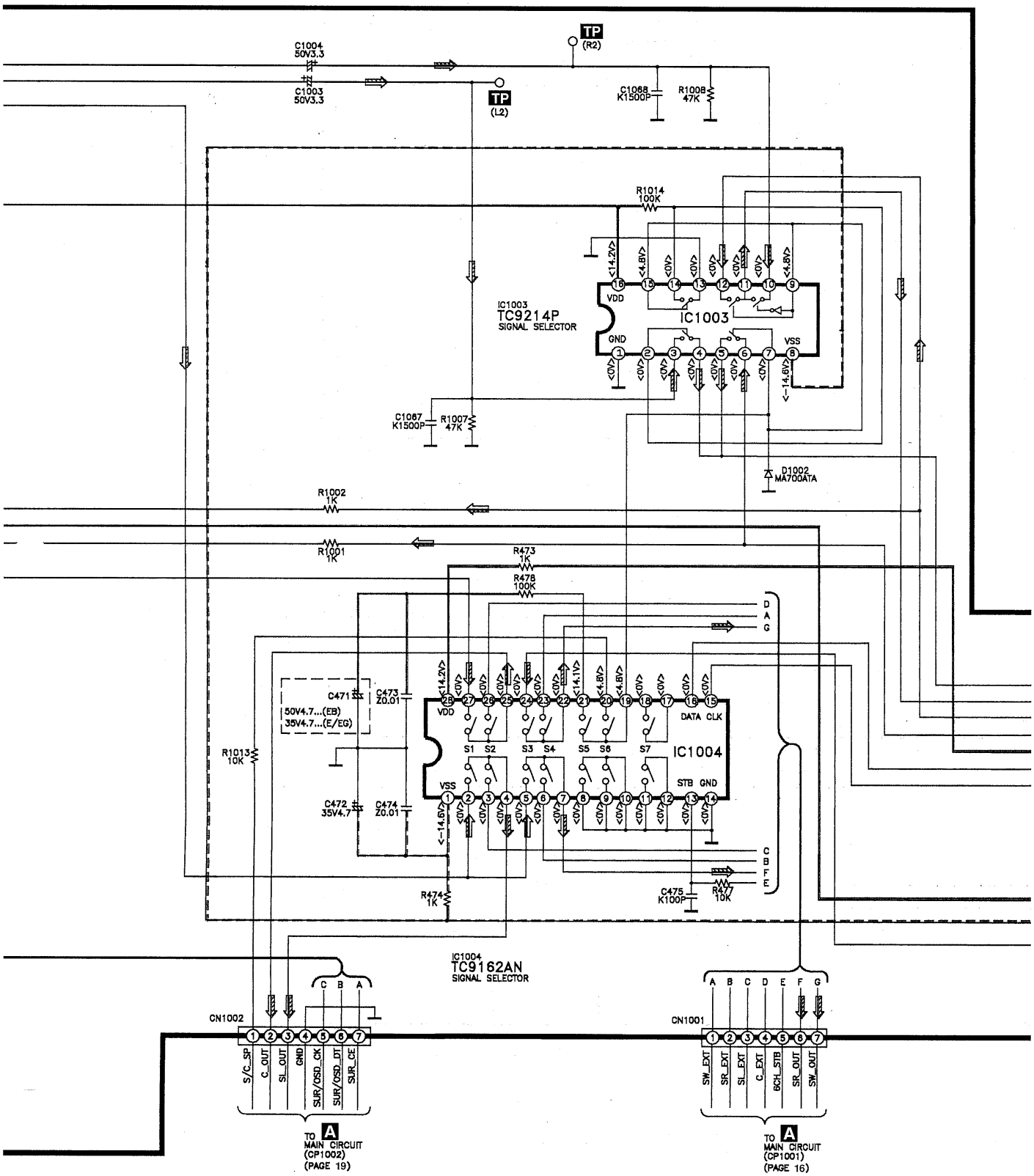

Q901
RVTDTC114YST
RESET CONTROL
FL901
FL901
RSL0254-F
FL DISPLAY
IC901
IC901
M38B57M6101F
MICROCOMPUTER
Q902
2SA933SSTA
REGULATOR
Q902
TO A MAIN CIRCUIT (CN902) (PAGE 16)
TO A MAIN CIRCUIT (CN903) (PAGE 16)

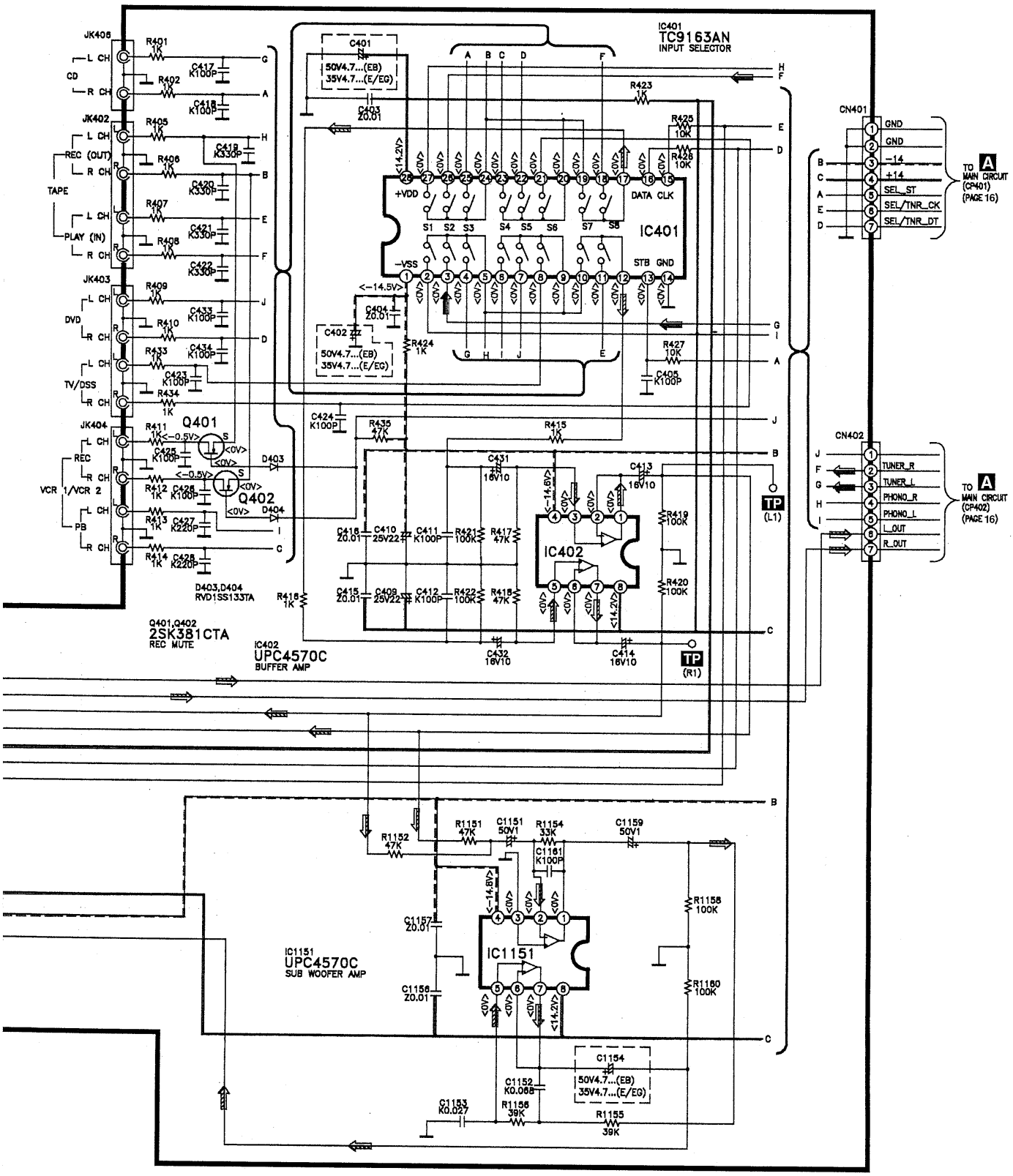

IC501
BA6218
MOTOR DRIVER
IC903
BU2090
I/O EXPANDER
Q505,Q506
2SD1915FTA
MUTING SWITCH
Q1681,Q1682
2SD1915FTA
MUTING SWITCH
VR901
(INPUT SELECTOR)
VR903
MODE
S974 DISPLAY
S971 EON
S970 SEARCH
S948 MUTING
S950 FM MODE
S951 BAND
S955 MEMORY
S976 DVD 6CH
CP904
TO A
MAIN CIRCUIT
(CN904)
(PAGE 17)


IC551,IC552
UPC4570C
PRE-AMP
JAMPER
IC552
IC551
IC511
UPC4570C
TONE AMP
VR502
(BALANCE CONTROL)
VR501
(MOTOR VOLUME)
VR501-1
VR501-2
VR501-3
VR501-4
VR501-5
VR501-6
VR511-1
(BASS)
VR512-1
(TREBLE)
VR511-2
(BASS)
VR512-2
(TREBLE)
L501 1uH
L502 1uH
R501 2.2K
R502 2.2K
TP (SW2)
TP (C2)
TP (SR2)
TP (S2)
CP501
HP JACK
HP JACK
HP JACK
HP JACK
TO E
HEADPHONE
JACK CIRCUIT
(CN501)
(PAGE 21)
W355/CN355
SUR2
N.C
SUR1
S3
S2
S1
GND
TO D
OPERATION CIRCUIT
(W355)
(PAGE 21)
CP905
W354/CN354
L_OUT
R_OUT
C_OUT
+5.6V
S(L)_IN
C_IN
R_IN
L_IN
GND
S(L)_OUT
KEY2
KEY1
KEY4
SEC
OFF
SURR
3ST
TO A
MAIN CIRCUIT
(CN905)
(PAGE 18)
TO D
OPERATION CIRCUIT
(W354)
(PAGE 25)

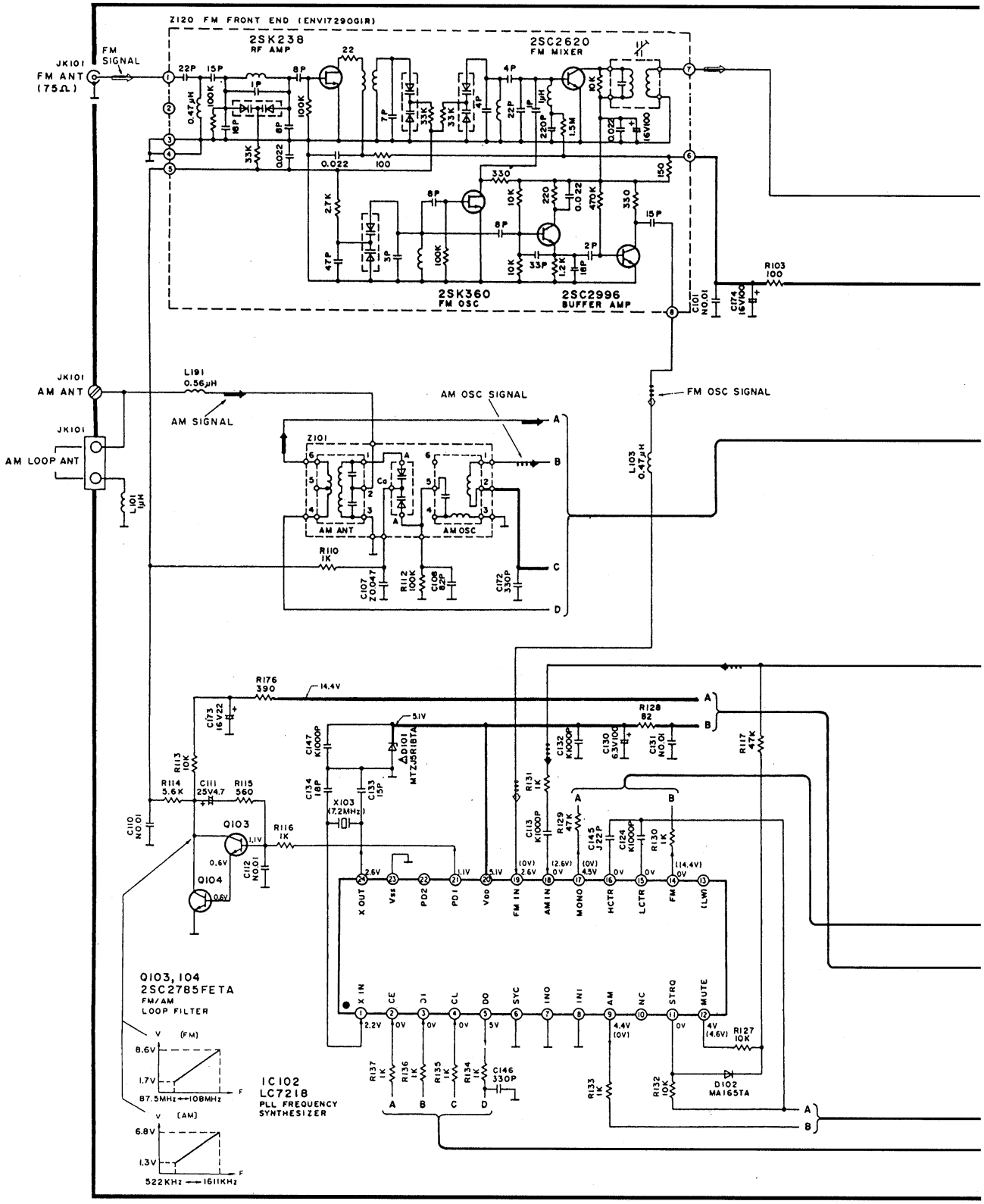
I PRO LOGIC CIRCUIT

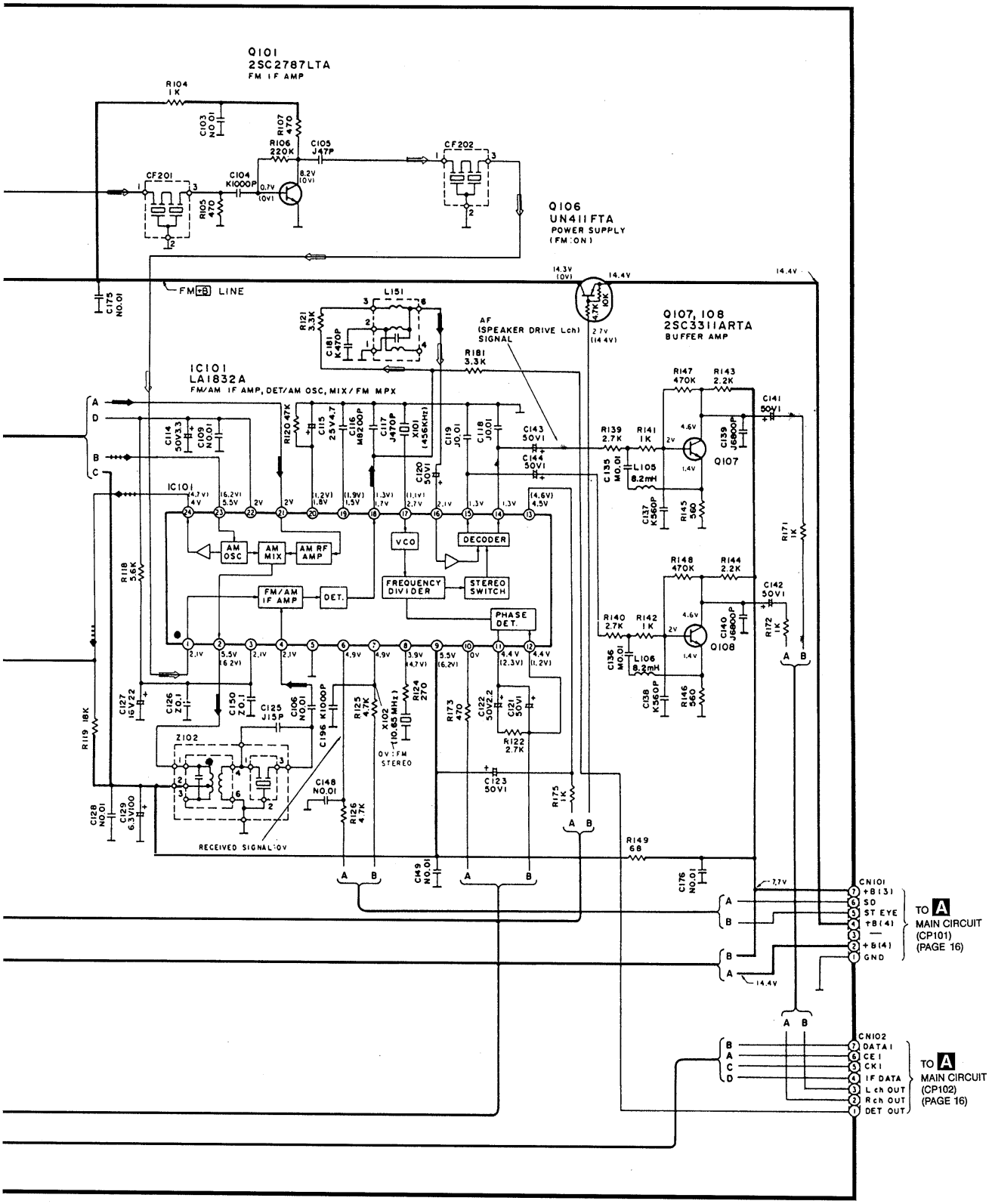



TP (R2)
TP (L2)
C1004 50V3.3
C1003 50V3.3
C1068 K1500P
R1008 47K
R1014 100K
IC1003
TC9214P
SIGNAL SELECTOR
VDD
GND
VSS
C1067 K1500P
R1007 47K
D1002 MA700ATA
R1002 1K
R1001 1K
R473 1K
R478 100K
C471 50V4.7...(EB) 35V4.7...(E/EG)
C473 Z0.01
R1013 10K
C472 35V4.7
C474 Z0.01
IC1004
TC9162AN
SIGNAL SELECTOR
DATA CLK
STB GND
R474 1K
C475 K100P
R477 10K
CN1002
S/C_SP
C_OUT
SL_OUT
GND
SUR/OSD_CK
SUR/OSD_DT
SUR_CE
TO A MAIN CIRCUIT (CP1002) (PAGE 19)
CN1001
SW_EXT
SR_EXT
SL_EXT
C_EXT
6CH_STB
SR_OUT
SW_OUT
TO A MAIN CIRCUIT (CP1001) (PAGE 16)


IC401
TC9163AN
INPUT SELECTOR
IC401
IC402
IC1151
UPC4570C
SUB WOOFER AMP
IC402
UPC4570C
BUFFER AMP
Q401,Q402
2SK381CTA
REC MUTE
D403,D404
RVD1SS133TA
Q401
Q402
CN401
CN402
TO A MAIN CIRCUIT (CP401) (PAGE 16)
TO A MAIN CIRCUIT (CP402) (PAGE 16)
TP (L1)
TP (R1)
JK405
JK402
JK403
JK404
CD
TAPE
DVD
TV/DSS
VCR 1/VCR 2
REC (OUT)
PLAY (IN)
REC
PB
GND
-14
+14
SEL_ST
SEL/TNR_CK
SEL/TNR_DT
TUNER_R
TUNER_L
PHONO_R
PHONO_L
L_OUT
R_OUT
DATA CLK
STB GND
+VDD
-VSS

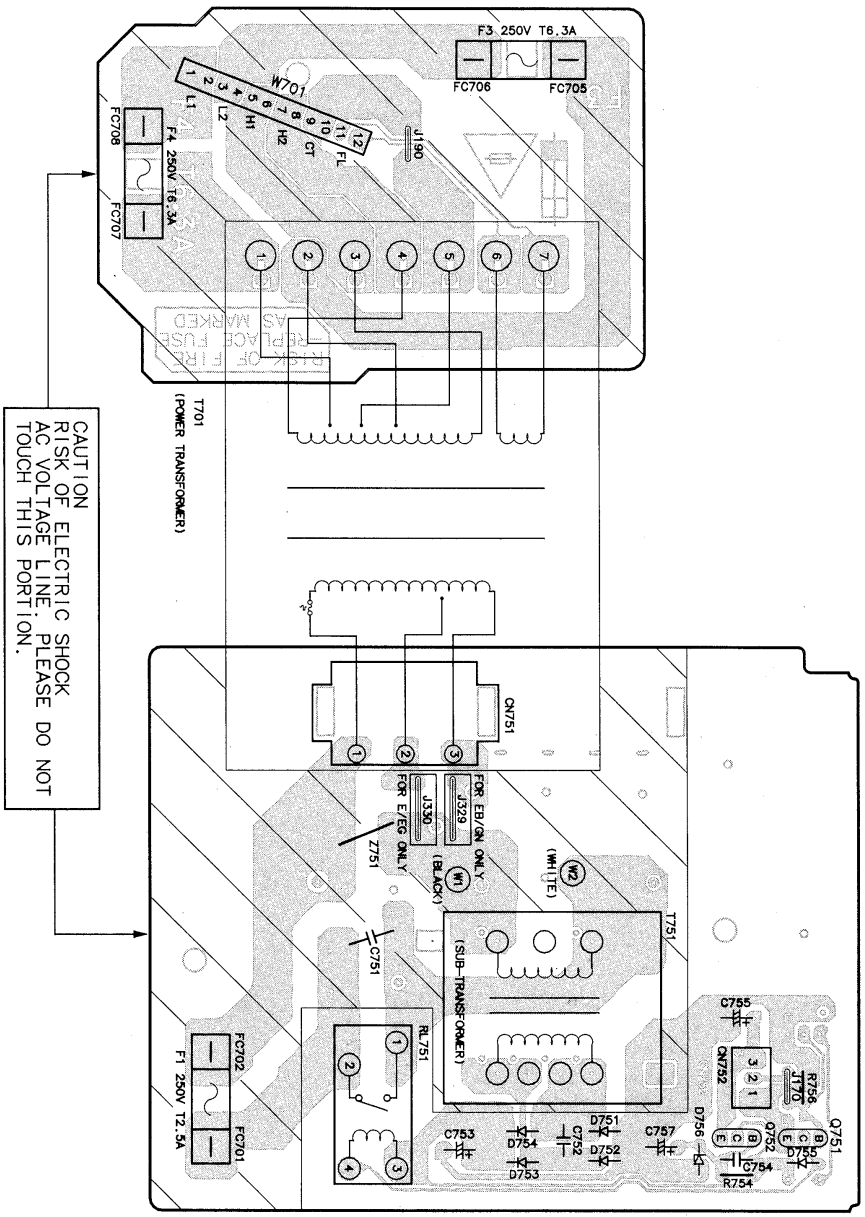
F TUNER CIRCUIT




Q101
2SC2787LTA
FM IF AMP
Q106
UN411FTA
POWER SUPPLY
(FM:ON)
Q107, 108
2SC3311ARTA
BUFFER AMP
IC101
LA1832A
FM/AM IF AMP, DET/AM OSC, MIX/FM MPX
AF
(SPEAKER DRIVE Lch)
SIGNAL
FM-B LINE
AM OSC
AM MIX
AM RF AMP
VCO
DECODER
FREQUENCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET.
PHASE DET.
RECEIVED SIGNAL:0V
0V:FM STEREO
CN101
+B(3)
SO
ST EYE
+B(4)
+B(4)
GND
TO A MAIN CIRCUIT (CP101) (PAGE 16)
CN102
DATA I
CE I
CK I
IF DATA
L ch OUT
R ch OUT
DET OUT
TO A MAIN CIRCUIT (CP102) (PAGE 16)

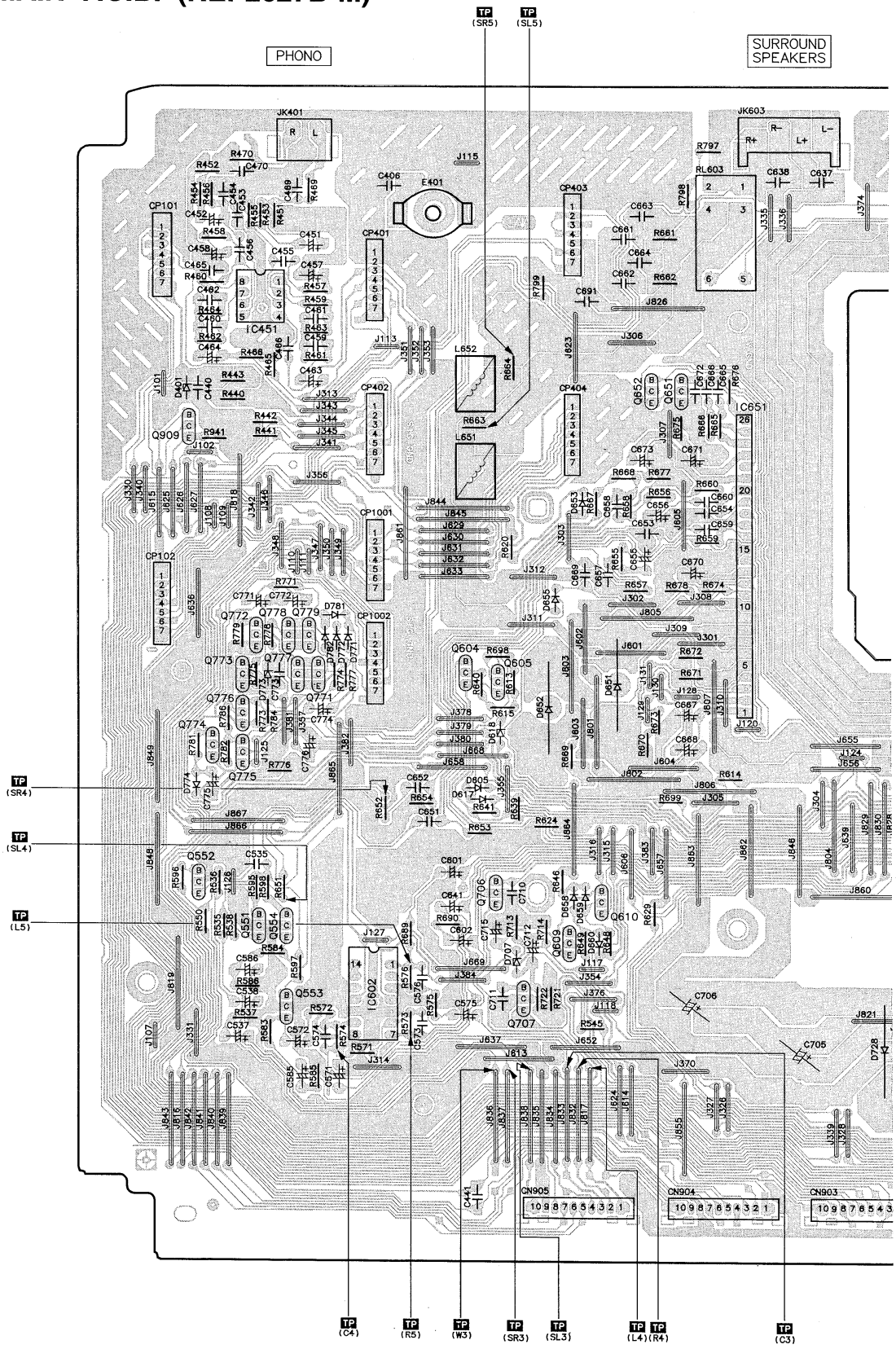
■ Printed Circuit Board

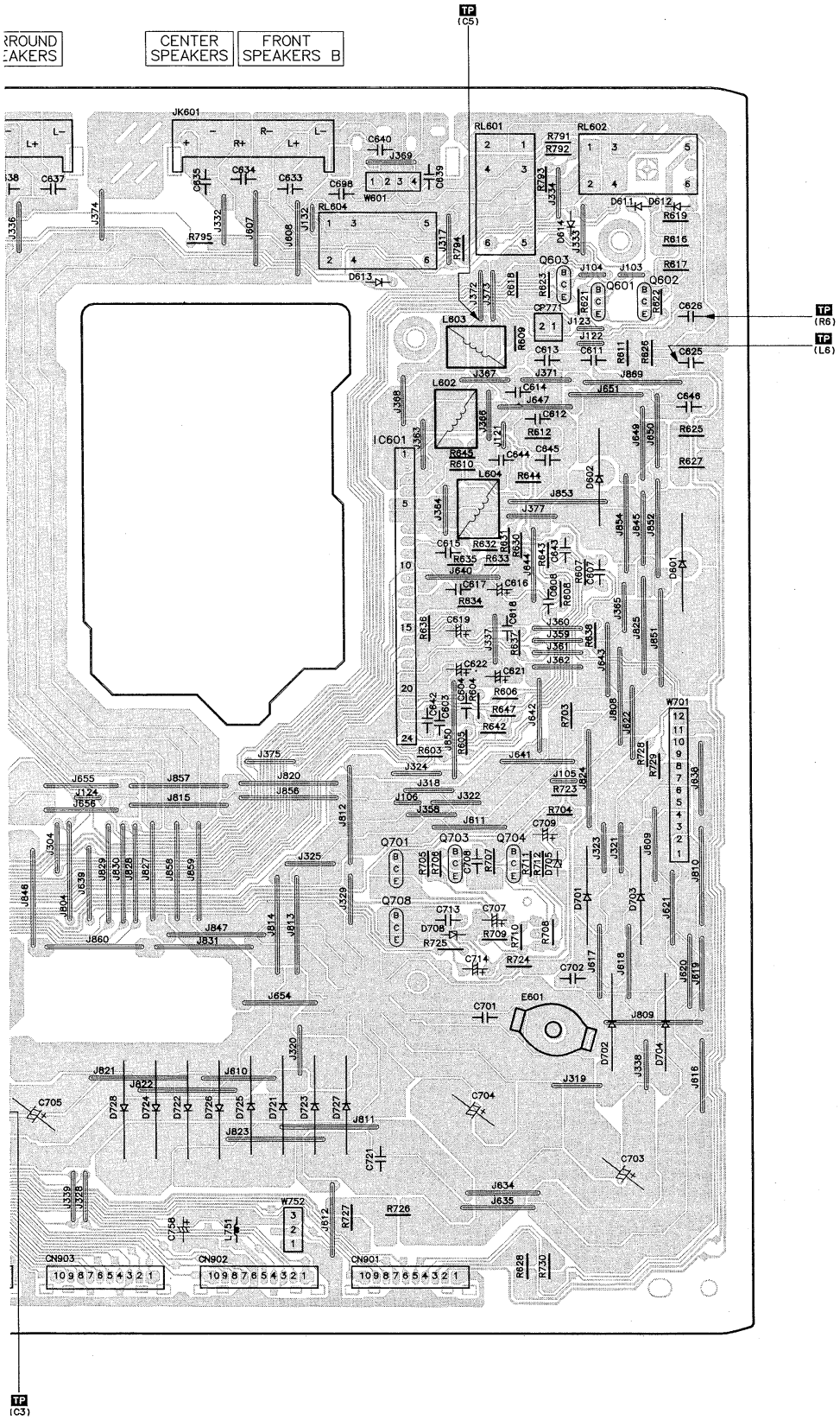
H TRANSFORMER P.C.B. (REP2627B-M)



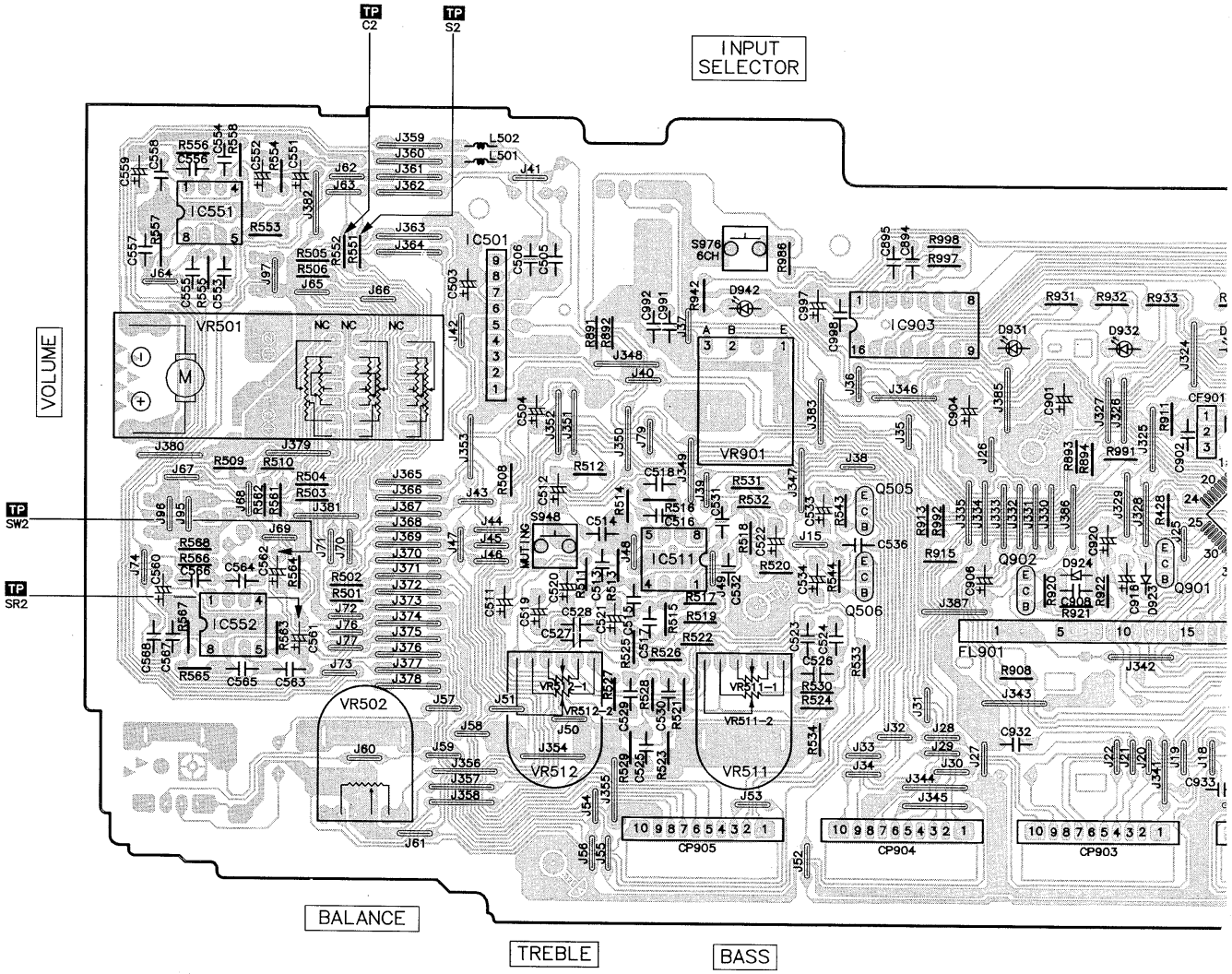
J POWER P.C.B. (REP2629E-P) . . . E/EG
(REP2629F-P) . . . EB

A MAIN P.C.B. (REP2627B-M)

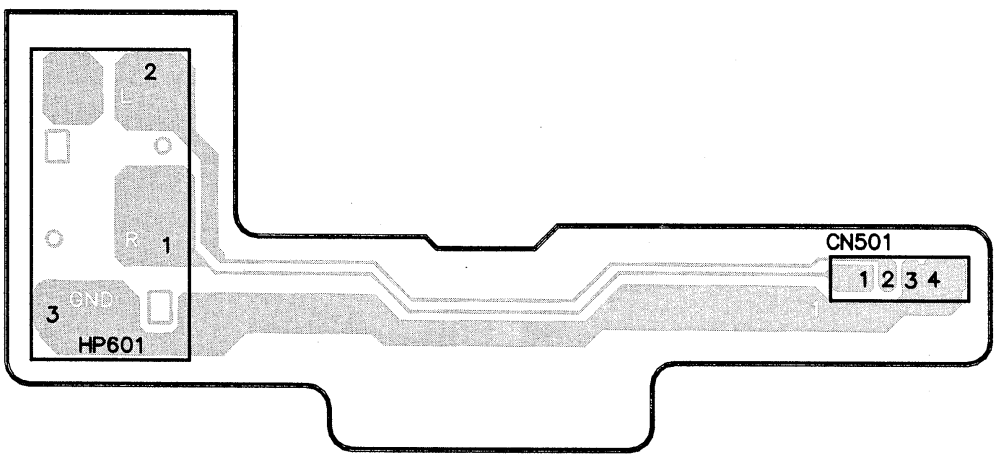


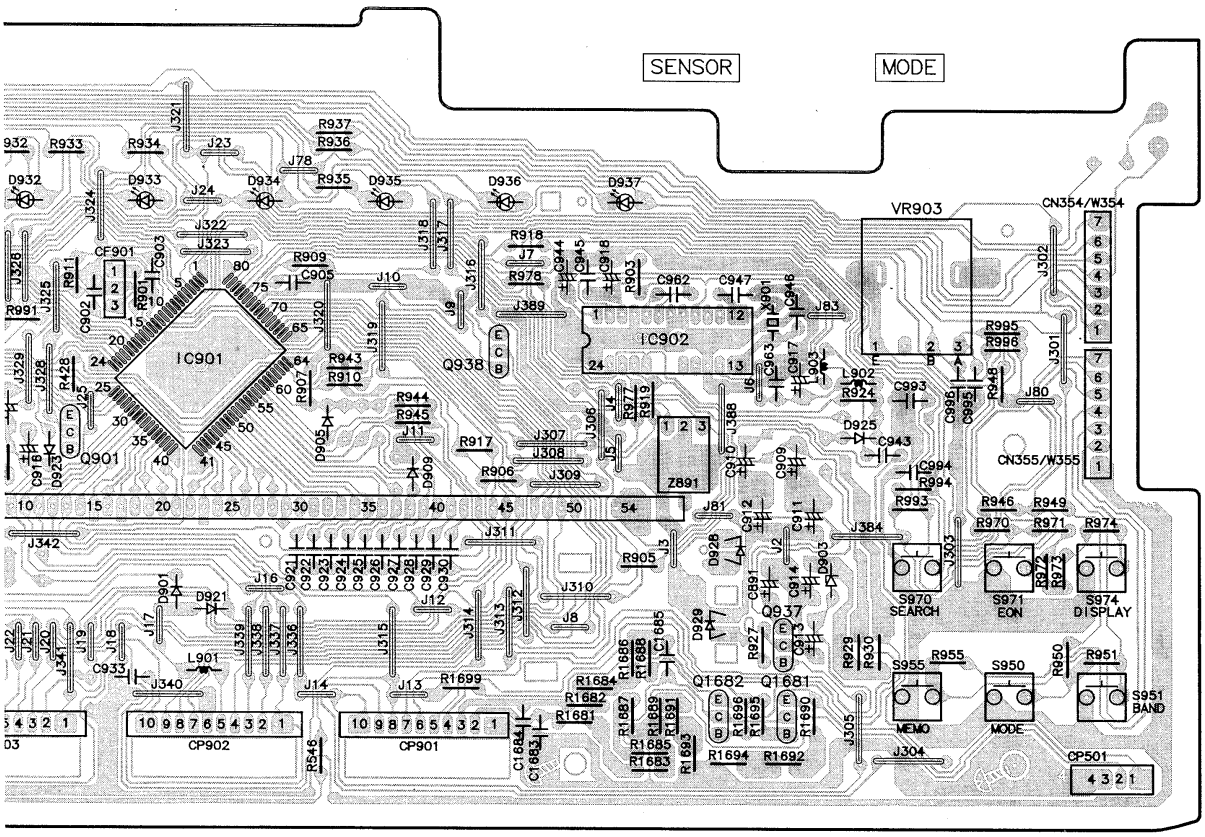

CENTER SPEAKERS
FRONT SPEAKERS B
TP (C5)
TP (R6)
TP (L6)
TP (C3)
JK601
RL601
RL602
RL604
W601
W701
W752
IC601
L602
L603
L604
E601
Q601
Q602
Q603
Q701
Q703
Q704
Q708
CN901
CN902
CN903

B PANEL P.C.B. (REP2628C-S)

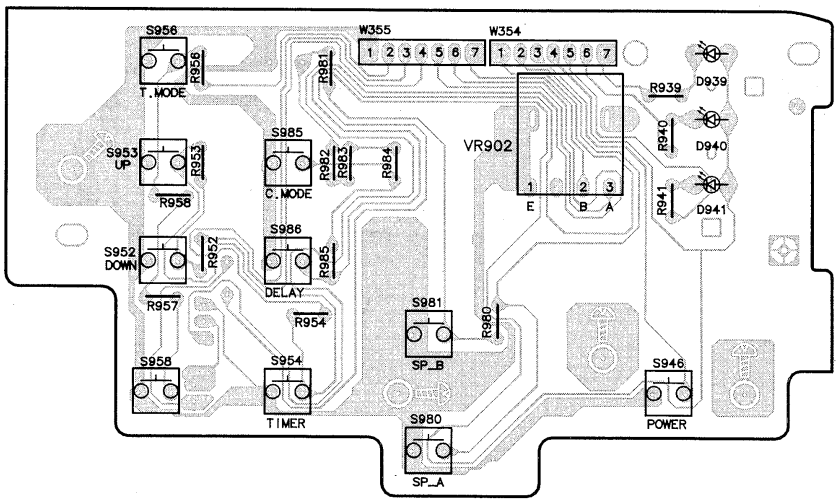


E HEADPHONE JACK P.C.B. (REP2628C-S)

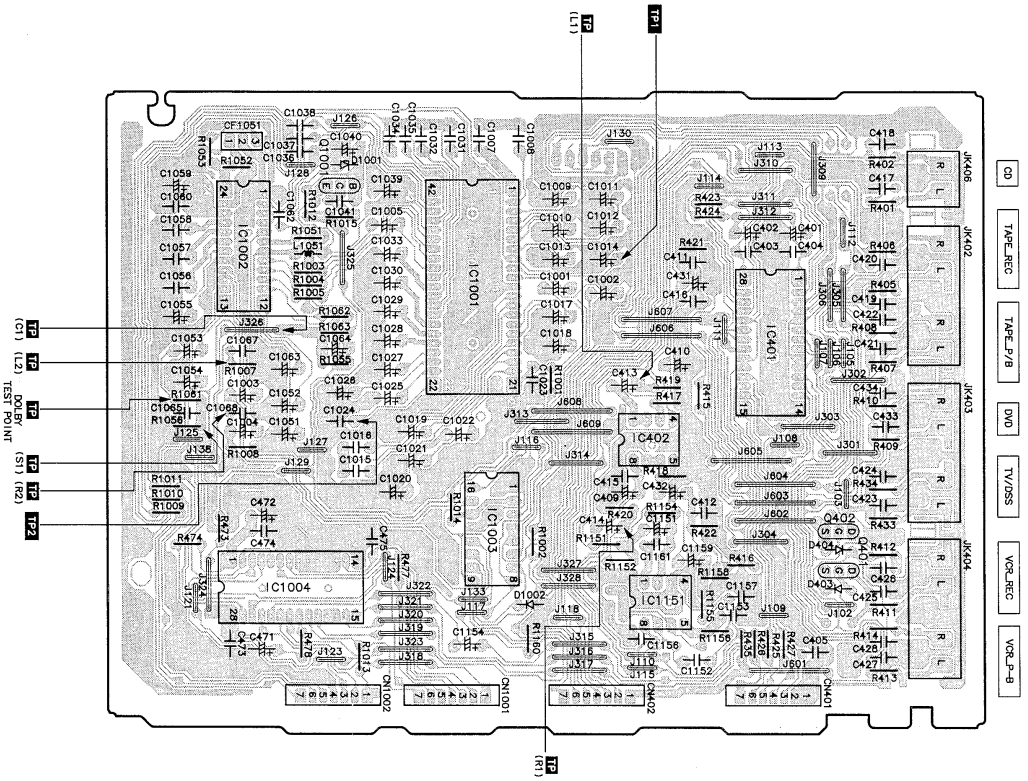




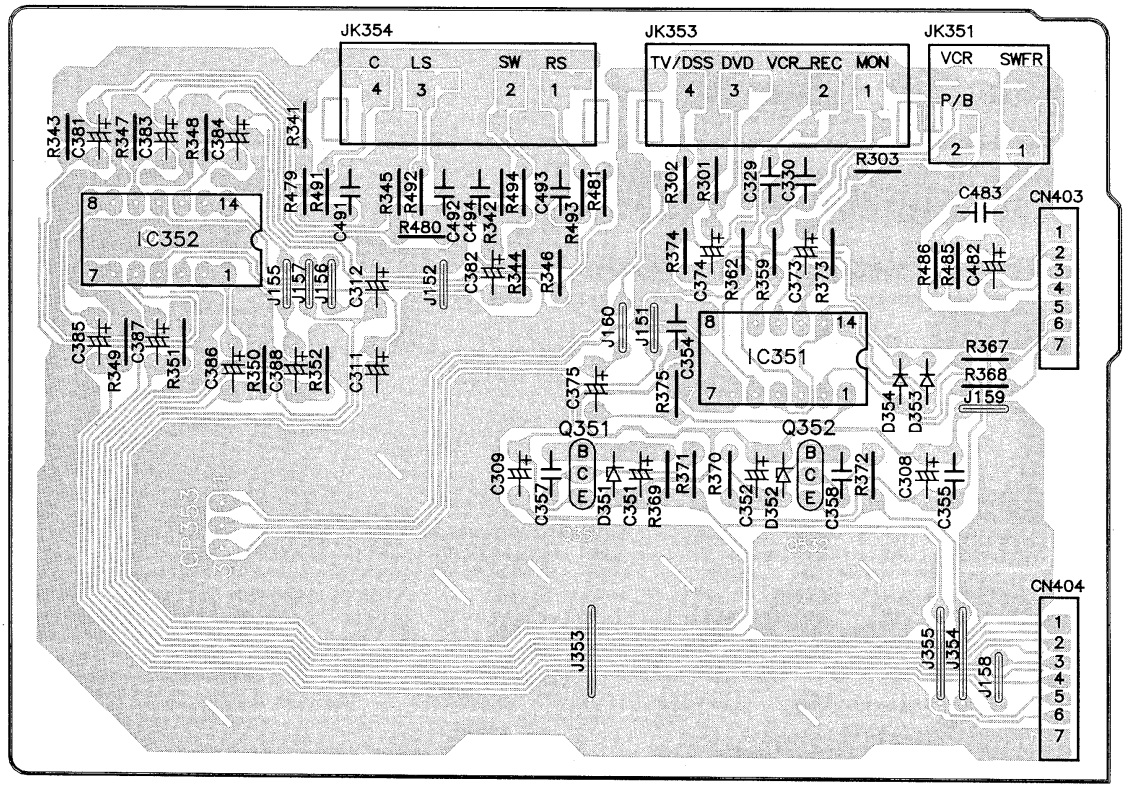
D OPERATION P.C.B. (REP2628C-S)



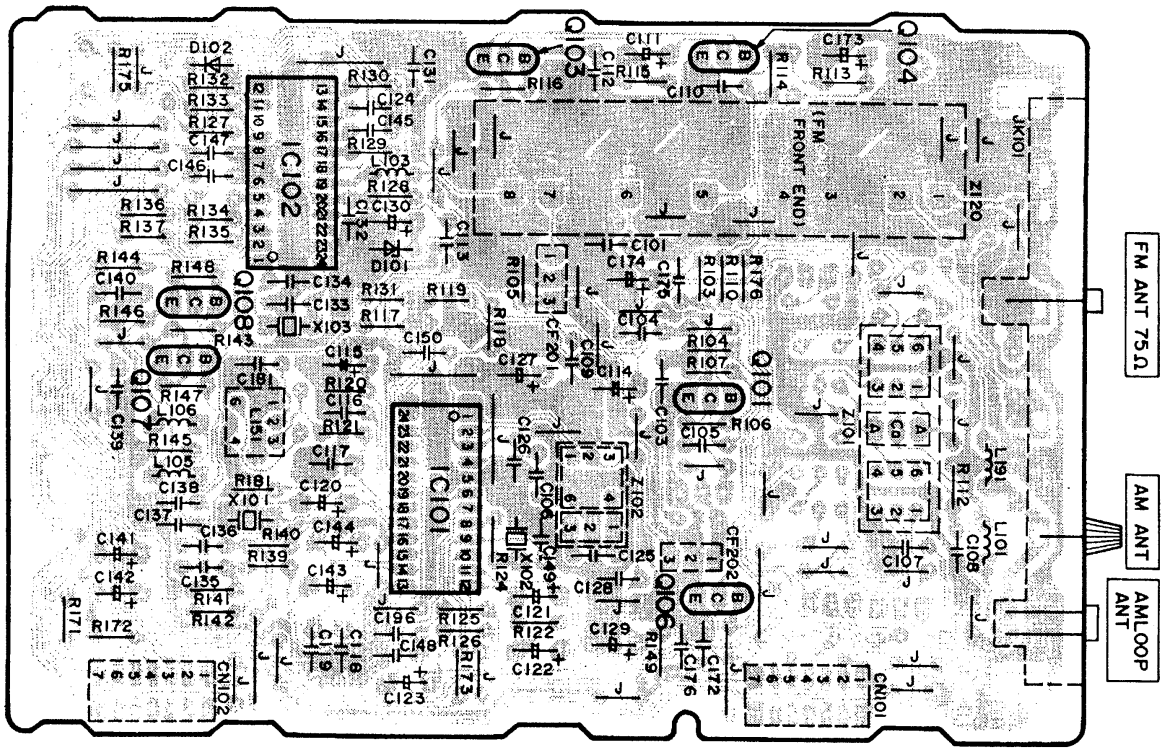
I PRO LOGIC P.C.B. (REP2629E-P) . . . E/EG (REP2629F-P) . . . EB



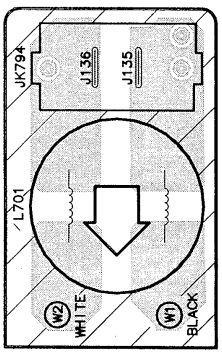
L AC-3 P.C.B. (REP2629E-P) . . . E/EG (REP2629F-P) . . . EB



F TUNER P.C.B. (REP2254C-T)



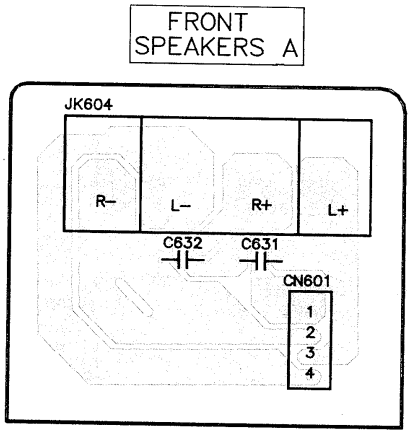
C AC IN/OUT P.C.B. (REP2629E-P) . . . E/EG (REP2629F-P) . . . EB



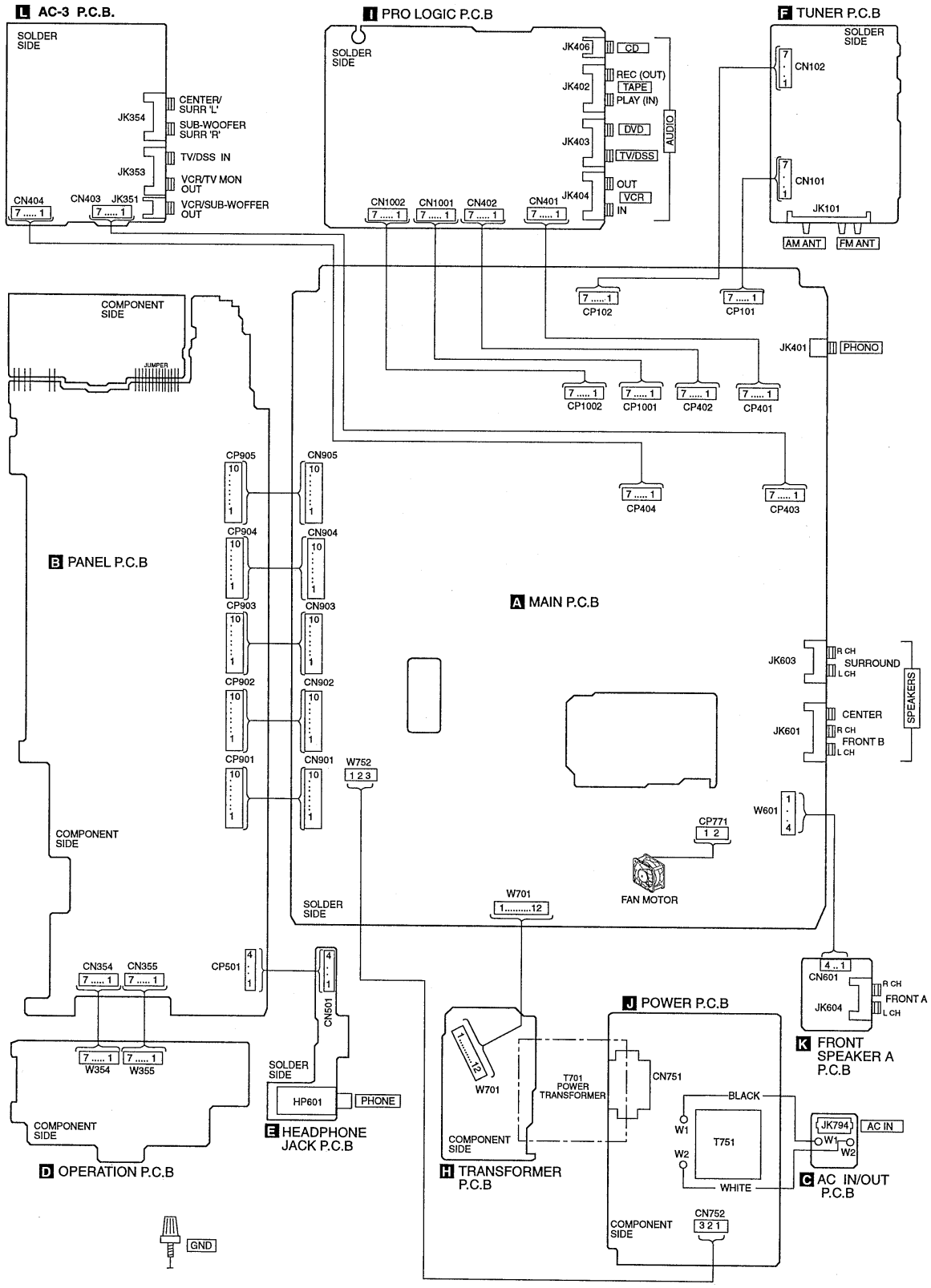
AC IN ~

230V. . . . E/EG
230V–240V. . . . EB
240V. . . . GN
50HZ

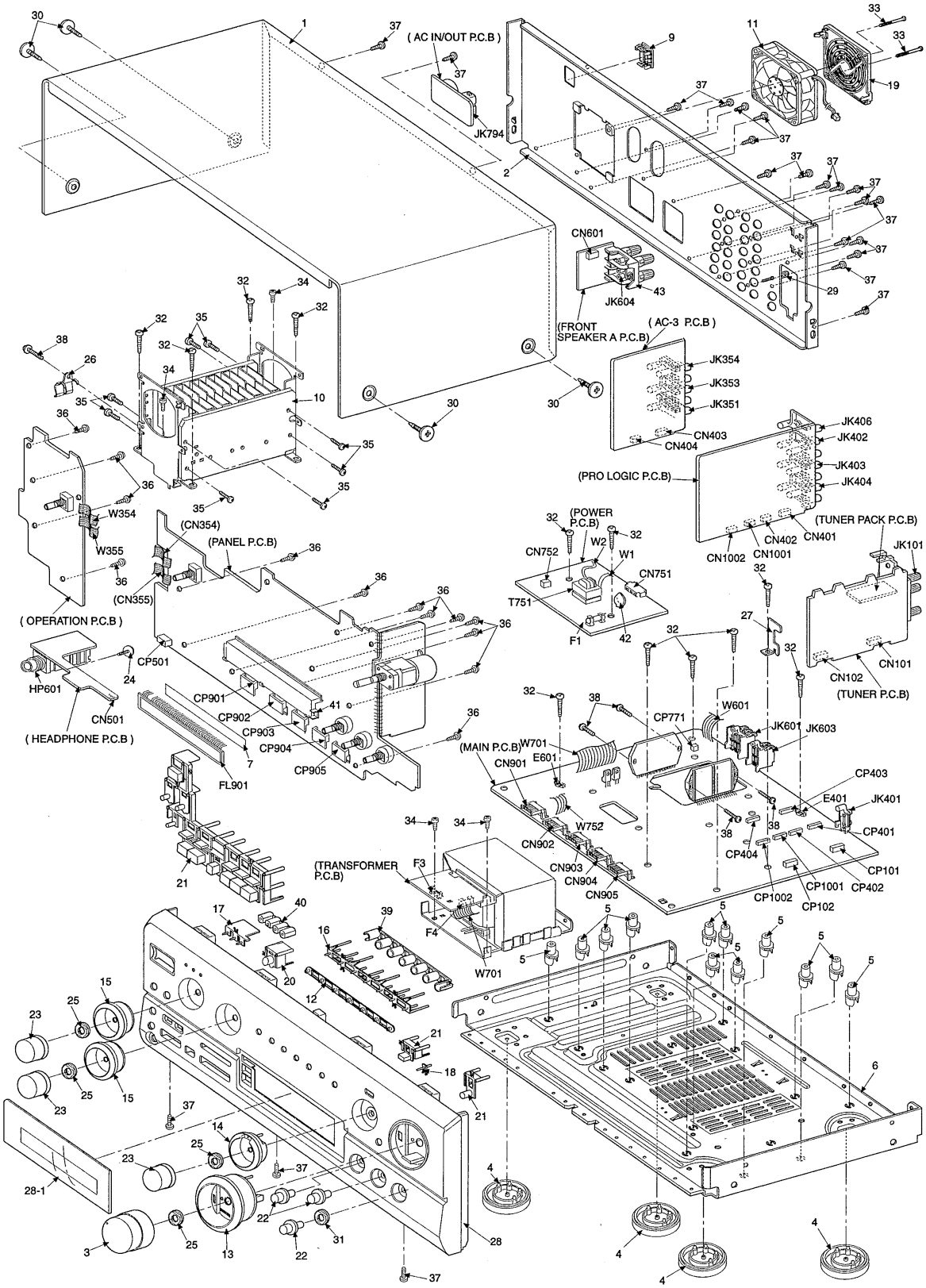
K FRONT SPEAKER A P.C.B. (REP2629E-P) . . . E/EG (REP2629F-P) . . . EB



■ Wiring Connection Diagram



■ Cabinet Parts Location



■ Replacement Parts List

Notes: * Important safety notice :
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
* The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indication can be used for all areas.
* The "(SF)" mark denotes the standard part.
* [M] in Remarks column indicates parts that are supplied by **MESA**.
* Remote Control Unit : Supply period for three years from terminal of production.

Ref No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RKM0375-K	TOP CABINET	[M]
2	RGR0265F-A	REAR PANEL	[M]EG E
2	RGR0265F-B	REAR PANEL	[M]EB
3	RGW0278-K	VOLUME KNOB	[M]
4	RKA0079-A	FOOT	[M]
5	RKQ0089-J	PCB HOLDER	[M]
6	RMK0350	BOTTOM CHASSIS	[M]
7	RMN0372A	FL HOLDER	[M]
9	SJS9231A	A/C INLET COVER	[M]
10	RXX0194	HEAT SINK UNIT	[M]
11	REM0080	FAN UNIT	[M]
12	RGK0992-N	LIGHT GUIDE RING	[M]
13	RGK0993-N	VOLUME RING	[M]
14	RGK0994-N	SELECTOR RING	[M]
15	RGK0995-N	PRO LOGIC RING	[M]
16	RGL0401-Q	LIGHT GUIDE	[M]
17	RGL0402-Q	P/L LIGHT GUIDE	[M]
18	RGL0403-Q	6CH LIGHT GUIDE	[M]
19	RGQ0231-K	FAN COVER	[M]
20	RGU1616-K	HELP BUTTON	[M]
21	RGU1617B-K	MODEL BUTTON	[M]
22	RGW0279-K	TONE KNOB	[M]
23	RGW0280-K	SELECTOR KNOB	[M]
24	RHD26016	SCREW	[M]
25	RHN90001	M9 NUT	[M]
26	RMC0158-S	TRANSISTOR HOLDER	[M]
27	RMQ0709	TUNER PCB BRACKET	[M]
28	RFKGAX720EBK	FRONT PANEL ASS'Y	[M]
28-1	RKW0533B-Q	FL WINDOW	[M]
29	SNE2123	EARTH TERMINAL	[M]
30	SNE2129-1	SCREW (CABINET)	[M]
31	SNE4021-1	M8 NUT	[M]
32	XTB3+20JFZ	SCREW	[M]
33	XTB3+35JFZ	SCREW (FAN)	[M]
34	XTB3+8FFZ	SCREW	[M]
35	XTB3+8JFZ	SCREW	[M]
36	XTBS26+10J	SCREW	[M]
37	XTBS3+8JFZ1	SCREW	[M]
38	XTW3+15T	SCREW	[M]
39	RMV0158	SEL LED COVER	[M]
40	RMV0159	P-L LED COVER	[M]
41	RMN0502	LED HOLDER	[M]
42	RMZ0339	ZNR COVER	[M]
43	RMR1165-K	SPEAKER COVER	[M]
		INTEGRATED CIRCUITS	
IC101	LA1832A	IC, IF/MPX	[M]
IC102	LC7218	IC, PLL	[M]
IC351	NJM2279D	IC, VIDEO SELECTOR S	[M]
IC352	NJM2060D	IC, OP AMP	[M]
IC401	TC9163AN	IC, SELECTOR	[M]
IC402	UPC4570C	IC, TONE CONTROL	[M]
IC451	AN6558F	IC, OP AMP	[M]
IC501	BA6218	IC, MOTOR DRIVER	[M]
IC511	UPC4570C	IC, TONE CONTROL	[M]
IC551	UPC4570C	IC, TONE CONTROL	[M]
IC552	UPC4570C	IC, TONE CONTROL	[M]
IC601	RSN310R36-P	IC, HIC	[M] ⚠
IC602	NJM2060D	IC, OP AMP	[M]
IC651	RSN3305-P	IC, HIC	[M] ⚠
IC901	M38B57M6101F	IC, MICROCOMPUTER	[M]
IC902	LC72720N	IC, RDS	[M]
IC903	BU2090	IC, EXPANDER	[M]
IC1001	LA2786L	IC, DPL	[M]
IC1002	LV1016L	IC, SURR DECODER	[M]
IC1003	TC9214P	IC, SELECTOR	[M]
IC1004	TC9162AN	IC, SELECTOR	[M]
IC1151	UPC4570C	IC, TONE CONTROL	[M]
		TRANSISTORS	
Q101	2SC2787LTA	TRANSISTOR	[M]
Q103	2SC2785FETA	TRANSISTOR	[M]
Q104	2SC2785FETA	TRANSISTOR	[M]
Q106	RVTDTA143XST	TRANSISTOR	[M]
Q107	2SC3311ARTA	TRANSISTOR	[M]
Q108	2SC3311ARTA	TRANSISTOR	[M]
Q351	2SD592AQSTA	TRANSISTOR	[M]
Q352	2SB621AQSTA	TRANSISTOR	[M]
Q401	2SK381CTA	TRANSISTOR	[M]
Q402	2SK381CTA	TRANSISTOR	[M]
Q505	2SD1915FTA	TRANSISTOR	[M]
Q506	2SD1915FTA	TRANSISTOR	[M]
Q551	2SD1915FTA	TRANSISTOR	[M]
Q552	2SD1915FTA	TRANSISTOR	[M]
Q553	2SD1915FTA	TRANSISTOR	[M]
Q554	2SD1915FTA	TRANSISTOR	[M]
Q601	RVTDTA143XST	TRANSISTOR	[M]
Q602	RVTDTA143XST	TRANSISTOR	[M]
Q603	RVTDTA143XST	TRANSISTOR	[M]
Q604	RVTDTA114EST	TRANSISTOR	[M]
Q605	RVTDTA114EST	TRANSISTOR	[M] ⚠
Q609	RVTDTC114EST	TRANSISTOR	[M]
Q610	RVTDTC114TST	TRANSISTOR	[M]
Q651	RVTDTA143XST	TRANSISTOR	[M]
Q652	RVTDTA143XST	TRANSISTOR	[M]
Q701	2SD2374PQAU	TRANSISTOR	[M] ⚠
Q703	2SC1740SSTA	TRANSISTOR	[M] ⚠
Q704	2SC1740SSTA	TRANSISTOR	[M] ⚠
Q706	2SC3940AQSTA	TRANSISTOR	[M]
Q707	2SA1534AQRTA	TRANSISTOR	[M] ⚠
Q708	2SB1548PQAU	TRANSISTOR	[M] ⚠
Q751	RVTDTC143XST	TRANSISTOR	[M]
Q752	2SC3940AQSTA	TRANSISTOR	[M] ⚠
Q771	2SA933SSTA	TRANSISTOR	[M]
Q772	2SC1740SSTA	TRANSISTOR	[M]
Q773	2SB621AQSTA	TRANSISTOR	[M]
Q774	2SA933SSTA	TRANSISTOR	[M]
Q775	RVTDTA114EST	TRANSISTOR	[M]
Q776	2SC1740SSTA	TRANSISTOR	[M]
Q777	2SA933SSTA	TRANSISTOR	[M]
Q778	2SA933SSTA	TRANSISTOR	[M]
Q779	2SA933SSTA	TRANSISTOR	[M]
Q901	RVTDTC114YST	TRANSISTOR	[M]

Ref No.	Part No.	Part Name & Description	Remarks
Q902	2SA933SSTA	TRANSISTOR	[M] ⚠
Q909	2SC1740SSTA	TRANSISTOR	[M]
Q937	RVTDTA114YST	TRANSISTOR	[M]
Q938	RVTDTC114YST	TRANSISTOR	[M]
Q1001	2SC3940AQSTA	TRANSISTOR	[M] ⚠
Q1681	2SD1915FTA	TRANSISTOR	[M]
Q1682	2SD1915FTA	TRANSISTOR	[M]
		DIODES	
D101	MTZJ5R1BTA	DIODE	[M]
D102	MA165TA	DIODE	[M]
D351	MTZJ5R6BTA	DIODE	[M] ⚠
D352	MTZJ5R6BTA	DIODE	[M] ⚠
D353	RVD1SS133TA	DIODE	[M]
D354	RVD1SS133TA	DIODE	[M]
D401	MTZJ7R5CTA	DIODE	[M]
D403	RVD1SS133TA	DIODE	[M]
D404	RVD1SS133TA	DIODE	[M]
D601	RK306LFU1	DIODE	[M]
D602	RK306LFU1	DIODE	[M]
D605	RVD1SS133TA	DIODE	[M]
D611	RVD1SS133TA	DIODE	[M]
D612	RVD1SS133TA	DIODE	[M]
D613	RVD1SS133TA	DIODE	[M]
D614	RVD1SS133TA	DIODE	[M]
D617	RVD1SS133TA	DIODE	[M]
D618	MTZJ9R1CTA	DIODE	[M] ⚠
D651	RK306LFU1	DIODE	[M]
D652	RK306LFU1	DIODE	[M]
D653	RVD1SS133TA	DIODE	[M]
D655	RVD1SS133TA	DIODE	[M]
D658	RVD1SS133TA	DIODE	[M]
D659	RVD1SS133TA	DIODE	[M]
D660	RVD1SS133TA	DIODE	[M]
D701	1N5402BM21	DIODE	[M] ⚠
D702	1N5402BM21	DIODE	[M] ⚠
D703	1N5402BM21	DIODE	[M] ⚠
D704	1N5402BM21	DIODE	[M] ⚠
D705	MTZJ6R2BTA	DIODE	[M]
D707	MTZJ27DTA	DIODE	[M]
D708	MTZJ15CTA	DIODE	[M]
D721	1N5402BM21	DIODE	[M] ⚠
D722	1N5402BM21	DIODE	[M] ⚠
D723	1N5402BM21	DIODE	[M] ⚠
D724	1N5402BM21	DIODE	[M] ⚠
D725	1N5402BM21	DIODE	[M] ⚠
D726	1N5402BM21	DIODE	[M] ⚠

Ref No.	Part No.	Part Name & Description	Remarks
D727	1N5402BM21	DIODE	[M] ⚠
D728	1N5402BM21	DIODE	[M] ⚠
D751	1SR35200TB	DIODE	[M] ⚠
D752	1SR35200TB	DIODE	[M] ⚠
D753	1SR35200TB	DIODE	[M] ⚠
D754	1SR35200TB	DIODE	[M] ⚠
D755	RVD1SS133TA	DIODE	[M] ⚠
D756	MTZJ6R8BTA	DIODE	[M] ⚠
D771	MA700ATA	DIODE	[M]
D772	MA700ATA	DIODE	[M]
D773	MTZJ9R1CTA	DIODE	[M]
D774	RVD1SS133TA	DIODE	[M]
D781	MA700ATA	DIODE	[M]
D782	MA700ATA	DIODE	[M]
D901	1SS291TA	DIODE	[M]
D903	MTZJ4R7BTA	DIODE	[M]
D905	MA167ATA	DIODE	[M]
D909	MA167ATA	DIODE	[M]
D921	RVD1SS133TA	DIODE	[M]
D923	RVD1SS133TA	DIODE	[M]
D924	MTZJ3R9ATA	DIODE	[M] ⚠
D925	RVD1SS133TA	DIODE	[M]
D928	LN446YPH	DIODE	[M]
D929	LN846RPH	DIODE	[M]
D931	SLR325VCT31	DIODE	[M]
D932	SLR325VCT31	DIODE	[M]
D933	SLR325VCT31	DIODE	[M]
D934	SLR325VCT31	DIODE	[M]
D935	SLR325VCT31	DIODE	[M]
D936	SLR325VCT31	DIODE	[M]
D937	SLR325VCT31	DIODE	[M]
D939	SLR325VCT31	DIODE	[M]
D940	SLR325VCT31	DIODE	[M]
D941	SLR325VCT31	DIODE	[M]
D942	SLR325MCT31	DIODE	[M]
D1001	MTZJ10CTA	DIODE	[M] ⚠
D1002	MA700ATA	DIODE	[M]
		VARIABLE RESISTORS	
VR501	EUWM6A026B15	VR, MOTOR VOLUME	[M]
VR502	EWC0YAF20G15	VR, BALANCE CONTROL	[M]
VR511	EWC1XA020C15	VR, TONE CONTROL	[M]
VR512	EWC1XA020C15	VR, TONE CONTROL	[M]
VR901	EVQVBHFK112B	VR, BALANCE CONTROL	[M]
VR902	EVQVBHFK112B	VR, BALANCE CONTROL	[M]
VR903	EVQVBHFK112B	VR, BALANCE CONTROL	[M]

Ref No.	Part No.	Part Name & Description	Remarks
		SWITCHES	
S946	EVQ21405R	SW, POWER	[M]
S948	EVQ21405R	SW, MUTING	[M]
S950	EVQ21405R	SW, FM MODE	[M]
S951	EVQ21405R	SW, BAND	[M]
S952	EVQ21405R	SW, DOWN	[M]
S953	EVQ21405R	SW, UP	[M]
S954	EVQ21405R	SW, TIMER	[M]
S955	EVQ21405R	SW, MEMO	[M]
S956	EVQ21405R	SW, T.MODE	[M]
S958	EVQ21405R	SW, HELP-RESET	[M]
S970	EVQ21405R	SW, SEARCH	[M]
S971	EVQ21405R	SW, EON	[M]
S974	EVQ21405R	SW, DISPLAY	[M]
S976	EVQ21405R	SW, 6CH	[M]
S980	EVQ21405R	SW, SP_A	[M]
S981	EVQ21405R	SW, SP_B	[M]
S985	EVQ21405R	SW, CENTER MODE	[M]
S986	EVQ21405R	SW, DELAY	[M]
		CONNECTORS	
CN101	RJU057W007	7P CONNECTOR	[M]
CN102	RJU057W007	7P CONNECTOR	[M]
CN401	RJU100W07	7P CONNECTOR	[M]
CN402	RJU100W07	7P CONNECTOR	[M]
CN403	RJU100W07	7P CONNECTOR	[M]
CN404	RJU100W07	7P CONNECTOR	[M]
CN501	RJU100W04	4P CONNECTOR	[M]
CN601	RJS4T6ZA	4P	[M]
CN751	SJS305-1	3P CONNECTOR	[M]
CN752	RJS1A6603T1	3P TAPING CONNECTOR	[M]
CN901	RJU003K010M1	10P B/B CONNECTOR	[M]
CN902	RJU003K010M1	10P B/B CONNECTOR	[M]
CN903	RJU003K010M1	10P B/B CONNECTOR	[M]
CN904	RJU003K010M1	10P B/B CONNECTOR	[M]
CN905	RJU003K010M1	10P B/B CONNECTOR	[M]
CN1001	RJU100W07	7P CONNECTOR	[M]
CN1002	RJU100W07	7P CONNECTOR	[M]
CP101	RJT057W007-1	7P CONNECTOR	[M]
CP102	RJT057W007-1	7P CONNECTOR	[M]
CP401	RJT100W07	7P CONNECTOR	[M]
CP402	RJT100W07	7P CONNECTOR	[M]
CP403	RJT100W07	7P CONNECTOR	[M]
CP404	RJT100W07	7P CONNECTOR	[M]
CP501	RJT100W04	4P CONNECTOR	[M]
CP771	SJT3213	FAN CONNECTOR	[M]

Ref No.	Part No.	Part Name & Description	Remarks
CP901	RJT003K010M1	10P CONNECTOR	[M]
CP902	RJT003K010M1	10P CONNECTOR	[M]
CP903	RJT003K010M1	10P CONNECTOR	[M]
CP904	RJT003K010M1	10P CONNECTOR	[M]
CP905	RJT003K010M1	10P CONNECTOR	[M]
CP1001	RJT100W07	7P CONNECTOR	[M]
CP1002	RJT100W07	7P CONNECTOR	[M]
		COILS & TRANSFORMERS	
L101	ELESN1R0MA	CHOKE COIL	[M]
L105	RLQZB822KT-D	TAPING COIL	[M]
L106	RLQZB822KT-D	TAPING COIL	[M]
L151	SLM1B10-1M	A.B. FILTER	[M]
L191	ELESNR56MA	CHOKE COIL	[M]
L501	RLQZP1R0KT-Y	AXIAL COIL	[M]
L502	RLQZP1R0KT-Y	AXIAL COIL	[M]
L602	RLQYR73MW-E	CHOKE COIL	[M]
L603	RLQYR73MW-E	CHOKE COIL	[M]
L604	RLQYR73MW-E	CHOKE COIL	[M]
L651	RLQYR73MW-E	CHOKE COIL	[M]
L652	RLQYR73MW-E	CHOKE COIL	[M]
L701	SLQZ650MH49	AC LINE COIL ⚠	[M]EG E
L751	RLQB101KTA-Y	CHOKE COIL	[M]
L901	RLQB101KTA-Y	CHOKE COIL	[M]
L902	RLQZP101KT-Y	AXIAL COIL	[M]
L903	RLQZP101KT-Y	AXIAL COIL	[M]
L1051	RLQB101KTA-Y	CHOKE COIL	[M]
T701	RTP1Q5B005-V	POWER TRANSFORMER	[M] ⚠
T751	RTP1I5E006	POWER TRANSFORMER	[M] ⚠
		COMPONENT COMBINATION	
Z101	RLA2Z002M-T	AM ANT. COIL	[M]
Z102	RLI2Z006M-T	AM IFT	[M]
Z120	ENV17290G1R	FM TUNER PACK	[M]
Z751	ERZV10V511CS	ZNR	[M] ⚠
Z891	RCD12042TE	REMOTE SENSOR	[M]
		CERAMIC FILTERS	
CF201	RLFFETNGD01L	CERAMIC CAPACITOR	[M]
CF202	RLFFETMGD01L	CERAMIC FILTER	[M]
CF901	RVBCST4R00MT	CERAMIC OSCILLATOR	[M]
CF1051	EF0EC8004T4	CERAMIC OSCILLATOR	[M]

Ref No.	Part No.	Part Name & Description	Remarks
		RELAY	
RL601	RSY0013M-0	RELAY	[M]
RL602	RSY0013M-0	RELAY	[M]
RL603	RSY0013M-0	RELAY	[M]
RL604	RSY0013M-0	RELAY	[M]
RL751	RSY0019M-0	12V TV-5 RELAY	[M] ⚠
		OSCILLATORS	
X101	RSXZ456KM07M	CERAMIC OSCILLATOR	[M]
X102	RLFDGTD01I	FM RESONATOR	[M]
X103	SVQ49U722T-S	CRYSTAL 7.2MHZ	[M]
X901	RSXC4M33S02T	CRYSTAL 4.33 MHZ	[M]
		DISPLAY TUBE	
FL901	RSL0254-F	FL	[M]
		FUSES	
F1	XBA2C25TB0	FUSE	[M] ⚠
F3	XBA2C63TB0	FUSE	[M] ⚠
F4	XBA2C63TB0	FUSE	[M] ⚠
		FUSE CLIP	
FC701	RJR0169T	FUSE HOLDER	[M]
FC702	RJR0169T	FUSE HOLDER	[M]
FC705	RJR0169T	FUSE HOLDER	[M]
FC706	RJR0169T	FUSE HOLDER	[M]
FC707	RJR0169T	FUSE HOLDER	[M]
FC708	RJR0169T	FUSE HOLDER	[M]
		JACKS	
HP601	RJJ63TA01	JK, HP	[M]
JK101	RJH4202-1	JK, ANT TERMINAL	[M]
JK351	RJH3210N	JK, 2P RCA	[M]
JK353	SJF3069-3N	JK, RCA PIN	[M]
JK354	SJF3069-16N	JK, RCA TERMINAL	[M]
JK401	SJF3068-7N	JK, RCA TERMINAL	[M]
JK402	SJF3069N	JK, LINE	[M]
JK403	SJF3069N	JK, LINE	[M]
JK404	SJF3069N	JK, LINE	[M]
JK406	SJF3068-7N	JK, RCA TERMINAL	[M]
JK601	RJH5601	JK, SP TERMINAL	[M]
JK603	RJR0054	JK, SP TERMINAL	[M]

Ref No.	Part No.	Part Name & Description	Remarks
JK604	RJH4410	JK, SPEAKER	[M]
JK794	SJS9231-1B	JK, SOCKET	[M] ⚠
		EARTH TERMINAL	
E401	SNE1004-2	EARTH TERMINAL	[M]
E601	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W1	REE0857	WIRE UNIT	[M]
W2	REE0858	WIRE UNIT	[M]
W354	RWJ1807200CC	7P FLAT CABLE	[M]
W355	RWJ1807200CC	7P FLAT CABLE	[M]
W601	RWJ1804160KQ	SPK TERMINAL WIRE	[M]
W701	RWJ1812220CC	WIRE UNIT	[M]
W752	RWJ1803290CQ	WIRE	[M]
		PACKING MATERIALS	
P1	RPN0966	POLYFOAM	[M]
P2	RPFX0005	MIRAMAT BAG	[M]
P3	RPG3850	PACKING CASE	[M]E
P3	RPG3851	PACKING CASE	[M]EB EG
P4	SPB1061	BAG	[M]
		ACCESSORIES	
A1	EUR646469	REMOTE CONTROL	[M]
A1-1	UR64EC1987	R/C BATTERY COVER	[M]
A2	RSA0010	LOOP ANT UNIT	[M]
A3	RJA0019-2K	AC CORD (SF) ⚠	[M]EG E
A3	RJA0053-1X	AC CORD (SF) ⚠	[M]EB
A4	RSA0007	FM ANTENA	[M]
A5	RQT4428-B	O/I BOOK	[M]EB
A5	RQT4429-E	O/I BOOK	[M]E
A5	RQT4430-D	O/I BOOK	[M]EG
A5	RQT4431-R	O/I BOOK	[M]E
A5	RQT4432-H	O/I BOOK	[M]EG
A5	RQT4467-B	O/I BOOK	[M]EB
A5	RQT4468-E	O/I BOOK FOR REMOTE	[M]E
A5	RQT4469-D	O/I BOOK FOR REMOTE	[M]EG
A5	RQT4470-R	O/I BOOK FOR REMOTE	[M]E
A5	RQT4471-H	O/I BOOK FOR REMOTE	[M]EG
A6	SJP9009	ANT ADAPTER	[M]EB

■ Resistors & Capacitors

Notes : * Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors),etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
* Capacitor values are in microfarad (μF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

Ref No.	Part No.	Values & Remarks
	RESISTORS	
R103	ERDS2TJ101T	100 1/4W [M]
R104	ERDS2TJ102T	1K 1/4W [M]
R105	ERDS2TJ471T	470 1/4W [M]
R106	ERDS2TJ224T	220K 1/4W [M]
R107	ERDS2TJ471T	470 1/4W [M]
R110	ERDS2TJ102T	1K 1/4W [M]
R112	ERDS2TJ104T	100K 1/4W [M]
R113	ERDS2TJ103T	10K 1/4W [M]
R114	ERDS2TJ562T	5.6K 1/4W [M]
R115	ERDS2TJ561T	560 1/4W [M]
R116	ERDS2TJ102T	1K 1/4W [M]
R117	ERDS2TJ473T	47K 1/4W [M]
R118	ERDS2TJ562T	5.6K 1/4W [M]
R119	ERDS2TJ183T	18K 1/4W [M]
R120	ERDS2TJ473T	47K 1/4W [M]
R121	ERDS2TJ332T	3.3K 1/4W [M]
R122	ERDS2TJ272T	2.7K 1/4W [M]
R124	ERDS2TJ221T	220 1/4W [M]
R125	ERDS2TJ472T	4.7K 1/4W [M]
R126	ERDS2TJ472T	4.7K 1/4W [M]
R127	ERDS2TJ103T	10K 1/4W [M]
R128	ERDS2TJ820T	82 1/4W [M]
R129	ERDS2TJ473T	47K 1/4W [M]
R130	ERDS2TJ102T	1K 1/4W [M]
R131	ERDS2TJ102T	1K 1/4W [M]
R132	ERDS2TJ103T	10K 1/4W [M]
R133	ERDS2TJ102T	1K 1/4W [M]
R134	ERDS2TJ102T	1K 1/4W [M]
R135	ERDS2TJ102T	1K 1/4W [M]
R136	ERDS2TJ102T	1K 1/4W [M]
R137	ERDS2TJ102T	1K 1/4W [M]
R139	ERDS2TJ272T	2.7K 1/4W [M]
R140	ERDS2TJ272T	2.7K 1/4W [M]
R141	ERDS2TJ102T	1K 1/4W [M]
R142	ERDS2TJ102T	1K 1/4W [M]
R143	ERDS2TJ222T	2.2K 1/4W [M]
R144	ERDS2TJ222T	2.2K 1/4W [M]
R145	ERDS2TJ821T	820 1/4W [M]
R146	ERDS2TJ821T	820 1/4W [M]
R147	ERDS2TJ474T	470K 1/4W [M]
R148	ERDS2TJ474T	470K 1/4W [M]
R149	ERDS2TJ680T	68 1/4W [M]
R171	ERDS2TJ102T	1K 1/4W [M]
R172	ERDS2TJ102T	1K 1/4W [M]
R173	ERDS2TJ471T	470 1/4W [M]
R175	ERDS2TJ102T	1K 1/4W [M]
R176	ERDS2TJ391T	390 1/4W [M]
R181	ERDS2TJ332T	3.3K 1/4W [M]
R301	ERDS2TJ750T	75 1/4W [M]
R302	ERDS2TJ750T	75 1/4W [M]
R303	ERDS2TJ750T	75 1/4W [M]
R341	ERDS2TJ103T	10K 1/4W [M]
R342	ERDS2TJ104T	100K 1/4W [M]
R343	ERDS2TJ104T	100K 1/4W [M]
R344	ERDS2TJ104T	100K 1/4W [M]
R345	ERDS2TJ103T	10K 1/4W [M]
R346	ERDS2TJ103T	10K 1/4W [M]
R347	ERDS2TJ104T	100K 1/4W [M]
R348	ERDS2TJ104T	100K 1/4W [M]
R349	ERDS2TJ104T	100K 1/4W [M]
R350	ERDS2TJ104T	100K 1/4W [M]
R351	ERDS2TJ104T	100K 1/4W [M]
R352	ERDS2TJ104T	100K 1/4W [M]
R359	ERDS2TJ750T	75 1/4W [M]
R362	ERDS2TJ750T	75 1/4W [M]
R367	ERDS2TJ102T	1K 1/4W [M]
R368	ERDS2TJ102T	1K 1/4W [M]
R369	ERDS2TJ182T	1.8K 1/4W [M]
R370	ERDS2TJ182T	1.8K 1/4W [M]
R371	ERD2FCVG220T	22 1/4W [M]
R372	ERD2FCVG220T	22 1/4W [M]
R373	ERDS2TJ103T	10K 1/4W [M]
R374	ERDS2TJ103T	10K 1/4W [M]
R375	ERDS2TJ103T	10K 1/4W [M]
R401	ERDS2TJ102T	1K 1/4W [M]
R402	ERDS2TJ102T	1K 1/4W [M]
R405	ERDS2TJ102T	1K 1/4W [M]
R406	ERDS2TJ102T	1K 1/4W [M]
R407	ERDS2TJ102T	1K 1/4W [M]
R408	ERDS2TJ102T	1K 1/4W [M]
R409	ERDS2TJ102T	1K 1/4W [M]
R410	ERDS2TJ102T	1K 1/4W [M]
R411	ERDS2TJ102T	1K 1/4W [M]
R412	ERDS2TJ102T	1K 1/4W [M]
R413	ERDS2TJ102T	1K 1/4W [M]
R414	ERDS2TJ102T	1K 1/4W [M]
R415	ERDS2TJ102T	1K 1/4W [M]
R416	ERDS2TJ102T	1K 1/4W [M]
R417	ERDS2TJ473T	47K 1/4W [M]
R418	ERDS2TJ473T	47K 1/4W [M]
R419	ERDS2TJ104T	100K 1/4W [M]
R420	ERDS2TJ104T	100K 1/4W [M]
R421	ERDS2TJ104T	100K 1/4W [M]
R422	ERDS2TJ104T	100K 1/4W [M]
R423	ERDS2TJ102T	1K 1/4W [M]
R424	ERDS2TJ102T	1K 1/4W [M]
R425	ERDS2TJ103T	10K 1/4W [M]
R426	ERDS2TJ103T	10K 1/4W [M]
R427	ERDS2TJ103T	10K 1/4W [M]
R428	ERDS2TJ332T	3.3K 1/4W [M]
R433	ERDS2TJ102T	1K 1/4W [M]
R434	ERDS2TJ102T	1K 1/4W [M]
R435	ERDS2TJ473T	47K 1/4W [M]
R440	ERDS1FVJ560T ⚠	56 1/2W [M]
R441	ERDS2TJ473T	47K 1/4W [M]
R442	ERDS2TJ473T	47K 1/4W [M]
R443	ERDS1FVJ560T ⚠	56 1/2W [M]
R451	ERDS2TJ224T	220K 1/4W [M]
R452	ERDS2TJ224T	220K 1/4W [M]
R453	ERDS2TJ391T	390 1/4W [M]
R454	ERDS2TJ391T	390 1/4W [M]
R455	ERDS2TJ563T	56K 1/4W [M]
R456	ERDS2TJ563T	56K 1/4W [M]
R457	ERDS2TJ271T	270 1/4W [M]
R458	ERDS2TJ271T	270 1/4W [M]
R459	ERDS2TJ680T	68 1/4W [M]
R460	ERDS2TJ680T	68 1/4W [M]
R461	ERDS2TJ184T	180K 1/4W [M]
R462	ERDS2TJ184T	180K 1/4W [M]
R463	ERDS2TJ123T	12K 1/4W [M]
R464	ERDS2TJ123T	12K 1/4W [M]
R465	ERDS2TJ563T	56K 1/4W [M]
R466	ERDS2TJ563T	56K 1/4W [M]
R469	ERDS2TJ102T	1K 1/4W [M]
R470	ERDS2TJ102T	1K 1/4W [M]
R473	ERDS2TJ102T	1K 1/4W [M]
R474	ERDS2TJ102T	1K 1/4W [M]
R477	ERDS2TJ103T	10K 1/4W [M]
R478	ERDS2TJ104T	100K 1/4W [M]
R479	ERDS2TJ393T	39K 1/4W [M]
R480	ERDS2TJ393T	39K 1/4W [M]
R481	ERDS2TJ393T	39K 1/4W [M]
R485	ERDS2TJ104T	100K 1/4W [M]
R486	ERDS2TJ102T	1K 1/4W [M]
R491	ERDS2TJ102T	1K 1/4W [M]
R492	ERDS2TJ102T	1K 1/4W [M]
R493	ERDS2TJ102T	1K 1/4W [M]
R494	ERDS2TJ102T	1K 1/4W [M]
R501	ERDS2TJ222T	2.2K 1/4W [M]
R502	ERDS2TJ222T	2.2K 1/4W [M]
R503	ERDS2TJ103T	10K 1/4W [M]
R504	ERDS2TJ103T	10K 1/4W [M]
R505	ERDS2TJ103T	10K 1/4W [M]
R506	ERDS2TJ103T	10K 1/4W [M]
R508	ERDS1FVJ2R2T ⚠	2.2 1/2W [M]
R509	ERDS2TJ103T	10K 1/4W [M]
R510	ERDS2TJ103T	10K 1/4W [M]
R511	ERDS2TJ471T	470 1/4W [M]
R512	ERDS2TJ471T	470 1/4W [M]
R513	ERDS2TJ474T	470K 1/4W [M]
R514	ERDS2TJ474T	470K 1/4W [M]
R515	ERDS2TJ474T	470K 1/4W [M]
R516	ERDS2TJ474T	470K 1/4W [M]
R517	ERDS2TJ182T	1.8K 1/4W [M]
R518	ERDS2TJ182T	1.8K 1/4W [M]
R519	ERDS2TJ332T	3.3K 1/4W [M]
R520	ERDS2TJ332T	3.3K 1/4W [M]
R521	ERDS2TJ223T	22K 1/4W [M]
R522	ERDS2TJ223T	22K 1/4W [M]
R523	ERDS2TJ392T	3.9K 1/4W [M]
R524	ERDS2TJ392T	3.9K 1/4W [M]
R525	ERDS2TJ222T	2.2K 1/4W [M]
R526	ERDS2TJ222T	2.2K 1/4W [M]
R527	ERDS2TJ122T	1.2K 1/4W [M]
R528	ERDS2TJ122T	1.2K 1/4W [M]
R529	ERDS2TJ273T	27K 1/4W [M]

Ref No.	Part No.	Values & Remarks
R530	ERDS2TJ273T	27K 1/4W [M]
R531	ERDS2TJ332T	3.3K 1/4W [M]
R532	ERDS2TJ332T	3.3K 1/4W [M]
R533	ERDS2TJ473T	47K 1/4W [M]
R534	ERDS2TJ473T	47K 1/4W [M]
R535	ERDS2TJ272T	2.7K 1/4W [M]
R536	ERDS2TJ272T	2.7K 1/4W [M]
R537	ERDS2TJ103T	10K 1/4W [M]
R538	ERDS2TJ103T	10K 1/4W [M]
R543	ERDS2TJ102T	1K 1/4W [M]
R544	ERDS2TJ102T	1K 1/4W [M]
R545	ERDS2TJ684T	680K 1/4W [M]
R546	ERDS2TJ223T	22K 1/4W [M]
R550	ERDS2TJ103T	10K 1/4W [M]
R551	ERDS2TJ102T	1K 1/4W [M]
R552	ERDS2TJ102T	1K 1/4W [M]
R553	ERDS2TJ104T	100K 1/4W [M]
R554	ERDS2TJ104T	100K 1/4W [M]
R555	ERDS2TJ223T	22K 1/4W [M]
R556	ERDS2TJ223T	22K 1/4W [M]
R557	ERDS2TJ821T	820 1/4W [M]
R558	ERDS2TJ821T	820 1/4W [M]
R561	ERDS2TJ102T	1K 1/4W [M]
R562	ERDS2TJ102T	1K 1/4W [M]
R563	ERDS2TJ104T	100K 1/4W [M]
R564	ERDS2TJ104T	100K 1/4W [M]
R565	ERDS2TJ223T	22K 1/4W [M]
R566	ERDS2TJ103T	10K 1/4W [M]
R567	ERDS2TJ821T	820 1/4W [M]
R568	ERDS2TJ681T	680 1/4W [M]
R571	ERDS2TJ223T	22K 1/4W [M]
R572	ERDS2TJ223T	22K 1/4W [M]
R573	ERDS2TJ223T	22K 1/4W [M]
R574	ERDS2TJ223T	22K 1/4W [M]
R575	ERDS2TJ223T	22K 1/4W [M]
R576	ERDS2TJ223T	22K 1/4W [M]
R583	ERDS2TJ272T	2.7K 1/4W [M]
R584	ERDS2TJ272T	2.7K 1/4W [M]
R585	ERDS2TJ103T	10K 1/4W [M]
R586	ERDS2TJ103T	10K 1/4W [M]
R595	ERDS2TJ102T	1K 1/4W [M]
R596	ERDS2TJ102T	1K 1/4W [M]
R597	ERDS2TJ102T	1K 1/4W [M]
R598	ERDS2TJ102T	1K 1/4W [M]
R603	ERDS2TJ182T	1.8K 1/4W [M]
R604	ERDS2TJ182T	1.8K 1/4W [M]
R605	ERDS2TJ221T	220 1/4W [M]
R606	ERDS2TJ221T	220 1/4W [M]

Ref No.	Part No.	Values & Remarks
R607	ERDS2TJ563T	56K 1/4W [M]
R608	ERDS2TJ563T	56K 1/4W [M]
R609	ERDS2TJ470T	47 1/4W [M]
R610	ERDS2TJ470T	47 1/4W [M]
R611	ERDS1FVJ100T ⚠	10 1/2W [M]
R612	ERDS1FVJ100T ⚠	10 1/2W [M]
R613	ERDS2TJ152T	1.5K 1/4W [M]
R614	ERDS2TJ152T	1.5K 1/4W [M]
R615	ERDS2TJ681T	680 1/4W [M]
R616	ERD25FVJ820T	82 1/4W [M]
R617	ERD25FVJ820T	82 1/4W [M]
R618	ERD25FVJ820T	82 1/4W [M]
R619	ERD25FVJ820T	82 1/4W [M]
R620	ERD25FVJ220T	22 1/4W [M]
R621	ERDS2TJ682T	6.8K 1/4W [M]
R622	ERDS2TJ682T	6.8K 1/4W [M]
R623	ERDS2TJ682T	6.8K 1/4W [M]
R624	ERD25FVJ4R7T	4.7 1/4W [M]
R625	ERG1SJ101E ⚠	100 1W [M]
R626	ERG1SJ101E ⚠	100 1W [M]
R627	ERG1SJ101E ⚠	100 1W [M]
R628	ERG1SJ101E ⚠	100 1W [M]
R629	ERDS2TJ102T	1K 1/4W [M]
R630	ERDS2TJ124T	120K 1/4W [M]
R631	ERDS2TJ154T	150K 1/4W [M]
R632	ERDS2TJ184T	180K 1/4W [M]
R633	ERDS2TJ473T	47K 1/4W [M]
R634	ERDS2TJ274T	270K 1/4W [M]
R635	ERDS2TJ154T	150K 1/4W [M]
R636	ERDS2TJ473T	47K 1/4W [M]
R637	ERDS2TJ154T	150K 1/4W [M]
R638	ERDS2TJ154T	150K 1/4W [M]
R639	ERDS2TJ104T	100K 1/4W [M]
R640	ERDS2TJ681T	680 1/4W [M]
R641	ERDS2TJ104T	100K 1/4W [M]
R642	ERDS2TJ182T	1.8K 1/4W [M]
R643	ERDS2TJ563T	56K 1/4W [M]
R644	ERDS1FVJ100T ⚠	10 1/2W [M]
R645	ERDS2TJ470T	47 1/4W [M]
R646	ERDS2TJ332T	3.3K 1/4W [M]
R647	ERDS2TJ221T	220 1/4W [M]
R648	ERDS2TJ683T	68K 1/4W [M]
R649	ERDS2TJ104T	100K 1/4W [M]
R651	ERDS2TJ102T	1K 1/4W [M]
R652	ERDS2TJ102T	1K 1/4W [M]
R653	ERDS2TJ563T	56K 1/4W [M]
R654	ERDS2TJ563T	56K 1/4W [M]
R655	ERDS2TJ182T	1.8K 1/4W [M]

Ref No.	Part No.	Values & Remarks
R656	ERDS2TJ182T	1.8K 1/4W [M]
R657	ERDS2TJ563T	56K 1/4W [M]
R658	ERDS2TJ563T	56K 1/4W [M]
R659	ERDS2TJ221T	220 1/4W [M]
R660	ERDS2TJ221T	220 1/4W [M]
R661	ERDS1FVJ100T ⚠	10 1/2W [M]
R662	ERDS1FVJ100T ⚠	10 1/2W [M]
R663	ERDS2TJ470T	47 1/4W [M]
R664	ERDS2TJ470T	47 1/4W [M]
R665	ERDS2TJ102T	1K 1/4W [M]
R666	ERDS2TJ102T	1K 1/4W [M]
R667	ERDS2TJ184T	180K 1/4W [M]
R668	ERDS2TJ154T	150K 1/4W [M]
R669	ERDS2TJ563T	56K 1/4W [M]
R670	ERDS2TJ563T	56K 1/4W [M]
R671	ERD25FVJ181T	180 1/4W [M]
R672	ERD25FVJ181T	180 1/4W [M]
R673	ERDS2TJ274T	270K 1/4W [M]
R674	ERDS2TJ684T	680K 1/4W [M]
R675	ERDS2TJ564T	560K 1/4W [M]
R676	ERDS2TJ101T	100 1/4W [M]
R677	ERDS2TJ473T	47K 1/4W [M]
R678	ERDS2TJ473T	47K 1/4W [M]
R689	ERDS2TJ821T	820 1/4W [M]
R690	ERDS2TJ821T	820 1/4W [M]
R698	ERDS2TJ152T	1.5K 1/4W [M]
R699	ERDS2TJ152T	1.5K 1/4W [M]
R703	ERDS1FVJ3R9T ⚠	3.9 1/2W [M]
R704	ERDS1FVJ3R9T ⚠	3.9 1/2W [M]
R705	ERDS2TJ472T	4.7K 1/4W [M]
R706	ERDS2TJ102T	1K 1/4W [M]
R707	ERD25FVJ221T	220 1/4W [M]
R708	ERDS2TJ152T	1.5K 1/4W [M]
R709	ERDS2TJ1R5T	1.5 1/4W [M]
R710	ERDS2TJ1R5T	1.5 1/4W [M]
R711	ERDS2TJ752T	7.5K 1/4W [M]
R712	ERDS2TJ682T	6.8K 1/4W [M]
R713	ERDS2TJ390T	39 1/4W [M]
R714	ERDS2TJ390T	39 1/4W [M]
R721	ERD25FVJ331T	330 1/4W [M]
R722	ERDS2TJ123T	12K 1/4W [M]
R723	ERDS1FVJ3R9T ⚠	3.9 1/2W [M]
R724	ERDS1FVJ3R9T ⚠	3.9 1/2W [M]
R725	ERDS2TJ821T	820 1/4W [M]
R726	ERD25FVJ101T	100 1/4W [M]
R727	ERD25FVJ101T	100 1/4W [M]
R728	ERDS2TJ684T	680K 1/4W [M]
R729	ERDS2TJ684T	680K 1/4W [M]

Ref No.	Part No.	Values & Remarks
R730	ERDS1FVJ8R2T ⚠	8.2 1/2W [M]
R754	ERDS2TJ102T	1K 1/4W [M]
R756	ERDS2TJ222T	2.2K 1/4W [M]
R771	ERDS2TJ104T	100K 1/4W [M]
R773	ERDS2TJ103T	10K 1/4W [M]
R774	ERDS2TJ155T	1.5M 1/4W [M]
R775	ERDS2TJ331T	330 1/4W [M]
R776	ERDS1FVJ150T ⚠	15 1/2W [M]
R777	ERDS2TJ154T	150K 1/4W [M]
R778	ERDS2TJ472T	4.7K 1/4W [M]
R779	ERDS2TJ103T	10K 1/4W [M]
R781	ERDS2TJ222T	2.2K 1/4W [M]
R782	ERDS2TJ390T	39 1/4W [M]
R784	ERDS2TJ154T	150K 1/4W [M]
R786	ERDS2TJ154T	150K 1/4W [M]
R791	ERDS2TJ123T	12K 1/4W [M]
R792	ERDS2TJ123T	12K 1/4W [M]
R793	ERDS2TJ123T	12K 1/4W [M]
R794	ERDS2TJ123T	12K 1/4W [M]
R795	ERDS2TJ223T	22K 1/4W [M]
R797	ERDS2TJ223T	22K 1/4W [M]
R798	ERDS2TJ223T	22K 1/4W [M]
R799	ERDS2TJ682T	6.8K 1/4W [M]
R891	ERDS2TJ103T	10K 1/4W [M]
R892	ERDS2TJ103T	10K 1/4W [M]
R893	ERDS2TJ103T	10K 1/4W [M]
R894	ERDS2TJ103T	10K 1/4W [M]
R901	ERDS2TJ102T	1K 1/4W [M]
R903	ERDS2TJ104T	100K 1/4W [M]
R905	ERDS2TJ181T	180 1/4W [M]
R906	ERDS2TJ222T	2.2K 1/4W [M]
R907	ERDS2TJ104T	100K 1/4W [M]
R908	ERDS2TJ104T	100K 1/4W [M]
R909	ERDS2TJ104T	100K 1/4W [M]
R910	ERDS2TJ102T	1K 1/4W [M]
R911	ERDS2TJ104T	100K 1/4W [M]
R913	ERDS2TJ103T	10K 1/4W [M]
R915	ERDS2TJ104T	100K 1/4W [M]
R917	ERDS2TJ103T	10K 1/4W [M]
R918	ERDS2TJ102T	1K 1/4W [M]
R919	ERDS2TJ102T	1K 1/4W [M]
R920	ERDS2TJ271T	270 1/4W [M]
R921	ERDS2TJ121T	120 1/4W [M]
R922	ERDS2TJ472T	4.7K 1/4W [M]
R924	ERDS2TJ103T	10K 1/4W [M]
R927	ERDS2TJ181T	180 1/4W [M]
R929	ERDS2TJ101T	100 1/4W [M]
R930	ERDS2TJ101T	100 1/4W [M]

Ref No.	PartNo.	Values & Remarks
R931	ERDS2TJ271T	270 1/4W [M]
R932	ERDS2TJ271T	270 1/4W [M]
R933	ERDS2TJ271T	270 1/4W [M]
R934	ERDS2TJ271T	270 1/4W [M]
R935	ERDS2TJ271T	270 1/4W [M]
R936	ERDS2TJ271T	270 1/4W [M]
R937	ERDS2TJ271T	270 1/4W [M]
R939	ERDS2TJ271T	270 1/4W [M]
R940	ERDS2TJ271T	270 1/4W [M]
R941	ERDS2TJ271T	270 1/4W [M]
R941	ERDS2TJ472T	4.7K 1/4W [M]
R942	ERDS2TJ181T	180 1/4W [M]
R943	ERDS2TJ102T	1K 1/4W [M]
R944	ERDS2TJ104T	100K 1/4W [M]
R945	ERDS2TJ104T	100K 1/4W [M]
R946	ERDS2TJ103T	10K 1/4W [M]
R948	ERDS2TJ103T	10K 1/4W [M]
R949	ERDS2TJ103T	10K 1/4W [M]
R950	ERDS2TJ102T	1K 1/4W [M]
R951	ERDS2TJ122T	1.2K 1/4W [M]
R952	ERDS2TJ152T	1.5K 1/4W [M]
R953	ERDS2TJ182T	1.8K 1/4W [M]
R954	ERDS2TJ222T	2.2K 1/4W [M]
R955	ERDS2TJ332T	3.3K 1/4W [M]
R956	ERDS2TJ472T	4.7K 1/4W [M]
R957	ERDS2TJ682T	6.8K 1/4W [M]
R958	ERDS2TJ123T	12K 1/4W [M]
R970	ERDS2TJ102T	1K 1/4W [M]
R971	ERDS2TJ122T	1.2K 1/4W [M]
R972	ERDS2TJ152T	1.5K 1/4W [M]
R973	ERDS2TJ182T	1.8K 1/4W [M]
R974	ERDS2TJ122T	1.2K 1/4W [M]
R977	ERDS2TJ102T	1K 1/4W [M]
R978	ERDS2TJ102T	1K 1/4W [M]
R980	ERDS2TJ102T	1K 1/4W [M]
R981	ERDS2TJ122T	1.2K 1/4W [M]
R982	ERDS2TJ152T	1.5K 1/4W [M]
R983	ERDS2TJ182T	1.8K 1/4W [M]
R984	ERDS2TJ222T	2.2K 1/4W [M]
R985	ERDS2TJ332T	3.3K 1/4W [M]
R986	ERDS2TJ472T	4.7K 1/4W [M]
R991	ERDS2TJ104T	100K 1/4W [M]
R992	ERDS2TJ104T	100K 1/4W [M]
R993	ERDS2TJ104T	100K 1/4W [M]
R994	ERDS2TJ104T	100K 1/4W [M]
R995	ERDS2TJ104T	100K 1/4W [M]
R996	ERDS2TJ104T	100K 1/4W [M]
R997	ERDS2TJ101T	100 1/4W [M]
R998	ERDS2TJ101T	100 1/4W [M]
R1001	ERDS2TJ102T	1K 1/4W [M]
R1002	ERDS2TJ102T	1K 1/4W [M]
R1003	ERDS2TJ102T	1K 1/4W [M]
R1004	ERDS2TJ102T	1K 1/4W [M]
R1005	ERDS2TJ203T	20K 1/4W [M]
R1007	ERDS2TJ473T	47K 1/4W [M]
R1008	ERDS2TJ473T	47K 1/4W [M]
R1009	ERDS2TJ332T	3.3K 1/4W [M]
R1010	ERDS2TJ332T	3.3K 1/4W [M]
R1011	ERDS2TJ332T	3.3K 1/4W [M]
R1012	ERDS2TJ102T	1K 1/4W [M]
R1013	ERDS2TJ103T	10K 1/4W [M]
R1014	ERDS2TJ104T	100K 1/4W [M]
R1015	ERD2FCVJ4R7T	4.7 1/4W [M]
R1051	ERDS2TJ393T	39K 1/4W [M]
R1052	ERDS2TJ105T	1M 1/4W [M]
R1053	ERDS2TJ102T	1K 1/4W [M]
R1055	ERDS2TJ224T	220K 1/4W [M]
R1056	ERDS2TJ153T	15K 1/4W [M]
R1061	ERDS2TJ222T	2.2K 1/4W [M]
R1062	ERDS2TJ273T	27K 1/4W [M]
R1063	ERDS2TJ332T	3.3K 1/4W [M]
R1151	ERDS2TJ473T	47K 1/4W [M]
R1152	ERDS2TJ473T	47K 1/4W [M]
R1154	ERDS2TJ333T	33K 1/4W [M]
R1155	ERDS2TJ393T	39K 1/4W [M]
R1156	ERDS2TJ393T	39K 1/4W [M]
R1158	ERDS2TJ104T	100K 1/4W [M]
R1160	ERDS2TJ104T	100K 1/4W [M]
R1681	ERDS2TJ270T	27 1/4W [M]
R1682	ERDS2TJ270T	27 1/4W [M]
R1683	ERDS2TJ270T	27 1/4W [M]
R1684	ERDS2TJ270T	27 1/4W [M]
R1685	ERDS2TJ270T	27 1/4W [M]
R1686	ERDS2TJ270T	27 1/4W [M]
R1687	ERDS2TJ270T	27 1/4W [M]
R1688	ERDS2TJ270T	27 1/4W [M]
R1689	ERDS2TJ270T	27 1/4W [M]
R1690	ERDS2TJ270T	27 1/4W [M]
R1691	ERDS2TJ270T	27 1/4W [M]
R1692	ERDS2TJ270T	27 1/4W [M]
R1693	ERDS2TJ270T	27 1/4W [M]
R1694	ERDS2TJ270T	27 1/4W [M]
R1695	ERDS2TJ102T	1K 1/4W [M]
R1696	ERDS2TJ102T	1K 1/4W [M]
R1699	ERDS2TJ332T	3.3K 1/4W [M]

Ref No.	PartNo.	Values & Remarks
	CAPACITORS	
C101	ECBT1C103NS5	0.01 16V [M]
C103	ECBT1C103NS5	0.01 16V [M]
C104	ECBT1H102KB5	1000P50V [M]
C105	ECBT1H470J5	47P 50V [M]
C106	ECBT1C103NS5	0.01 16V [M]
C107	ECBT1H473ZF5	0.047 50V [M]
C108	ECBT1H8R2KC5	8.2P 50V [M]
C109	ECBT1C103NS5	0.01 16V [M]
C110	ECBT1C103NS5	0.01 16V [M]
C111	ECEA1EKA4R7B	4.7 25V [M]
C112	ECBT1C103NS5	0.01 16V [M]
C113	ECBT1H102KB5	1000P50V [M]
C114	ECEA1HKA3R3B	3.3 50V [M]
C115	ECEA1EKA4R7B	4.7 25V [M]
C116	ECBT1C822MS5	8200P16V [M]
C117	ECQB1H471JM3	470P 50V [M]
C118	ECQB1H103JM3	0.01 50V [M]
C119	ECQB1H103JM3	0.01 50V [M]
C120	ECEA1HKA010B	1 50V [M]
C121	ECEA1HKA010B	1 50V [M]
C122	ECEA1HKA2R2B	2.2 50V [M]
C123	ECEA1HKA010B	1 50V [M]
C124	ECBT1H102KB5	1000P50V [M]
C125	ECBT1H150JC5	15P 50V [M]
C126	ECBT1H104ZF5	0.1 50V [M]
C127	ECEA1CKA220B	22 16V [M]
C128	ECBT1C103NS5	0.01 16V [M]
C129	ECEA0JKA101B	100 6.3V [M]
C130	ECEA0JKA101B	100 6.3V [M]
C131	ECBT1C103NS5	0.01 16V [M]
C132	ECBT1H102KB5	1000P50V [M]
C133	ECBT1H150JC5	15P 50V [M]
C134	ECBT1H180JC5	18P 50V [M]
C135	ECBT1C103MS5	0.01 16V [M]
C136	ECBT1C103MS5	0.01 16V [M]
C137	ECBT1H561KB5	560P 50V [M]
C138	ECBT1H561KB5	560P 50V [M]
C139	ECQB1H682JM3	6800P50V [M]
C140	ECQB1H682JM3	6800P50V [M]
C141	ECEA1HKA010B	1 50V [M]
C142	ECEA1HKA010B	1 50V [M]
C143	ECEA1HKA010B	1 50V [M]
C144	ECEA1HKA010B	1 50V [M]
C145	ECBT1H220JC5	22P 50V [M]
C146	ECBT1H331KB5	330P 50V [M]
C147	ECBT1H102KB5	1000P50V [M]
C148	ECBT1C103NS5	0.01 16V [M]
C149	ECBT1C103NS5	0.01 16V [M]
C150	ECBT1H104ZF5	0.1 50V [M]
C172	ECBT1H331KB5	330P 50V [M]
C173	ECEA1CKA220B	22 16V [M]
C174	ECEA1CKA101B	100 16V [M]
C175	ECBT1C103NS5	0.01 16V [M]
C176	ECBT1C103NS5	0.01 16V [M]
C181	ECBT1H471KB5	470P 50V [M]
C196	ECBT1H102KB5	1000P50V [M]
C308	ECA0JM101B	01 6.3V [M]
C309	ECA0JM101B	01 6.3V [M]
C311	ECEA1EU4R7B	4.7 25V [M]
C312	ECEA1EU4R7B	4.7 25V [M]
C329	ECBT1H470J5	47P 50V [M]
C330	ECBT1H470J5	47P 50V [M]
C351	ECEA0JKA101B	100 6.3V [M]
C352	ECEA0JKA101B	100 6.3V [M]
C354	ECBT1H104ZF5	0.1 50V [M]
C355	ECBT1H104ZF5	0.1 50V [M]
C357	ECBT1E103ZF5	0.01 25V [M]
C358	ECBT1E103ZF5	0.01 25V [M]
C373	ECEA1CKA470B	47 16V [M]
C374	ECEA1CKA470B	47 16V [M]
C375	ECEA1CKA470B	47 16V [M]
C381	ECEA1HKA3R3B	3.3 50V [M]
C382	ECEA1HKA3R3B	3.3 50V [M]
C383	ECEA1HKA3R3B	3.3 50V [M]
C384	ECEA1HKA3R3B	3.3 50V [M]
C385	ECEA1HKA3R3B	3.3 50V [M]
C386	ECEA1HKA3R3B	3.3 50V [M]
C387	ECEA1HKA3R3B	3.3 50V [M]
C388	ECEA1HKA3R3B	3.3 50V [M]
C401	ECEA1HKA4R7B	4.7 50V [M]EB
C401	ECEA1VKA4R7B	4.7 35V [M]EG E
C402	ECEA1HKA4R7B	4.7 50V [M]EB
C402	ECEA1VKA4R7B	4.7 35V [M]EG E
C403	ECBT1E103ZF5	0.01 25V [M]
C404	ECBT1E103ZF5	0.01 25V [M]
C405	ECBT1H101KB5	100P 50V [M]
C406	ECBT1H101KB5	100P 50V [M]
C409	ECA1EM220B	22 25V [M]
C410	ECA1EM220B	22 25V [M]
C411	ECBT1H101KB5	100P 50V [M]
C412	ECBT1H101KB5	100P 50V [M]
C413	ECA1CM100B	10 16V [M]
C414	ECA1CM100B	10 16V [M]
C415	ECBT1E103ZF5	0.01 25V [M]

Ref No.	Part No.	Values & Remarks
C416	ECBT1E103ZF5	0.01 25V [M]
C417	ECBT1H101KB5	100P 50V [M]
C418	ECBT1H101KB5	100P 50V [M]
C419	ECBT1H331KB5	330P 50V [M]
C420	ECBT1H331KB5	330P 50V [M]
C421	ECBT1H331KB5	330P 50V [M]
C422	ECBT1H331KB5	330P 50V [M]
C423	ECBT1H101KB5	100P 50V [M]
C424	ECBT1H101KB5	100P 50V [M]
C425	ECBT1H101KB5	100P 50V [M]
C426	ECBT1H101KB5	100P 50V [M]
C427	ECBT1H221KB5	220P 50V [M]
C428	ECBT1H221KB5	220P 50V [M]
C431	ECA1CM100B	10 16V [M]
C432	ECA1CM100B	10 16V [M]
C433	ECBT1H101KB5	100P 50V [M]
C434	ECBT1H101KB5	100P 50V [M]
C440	ECBT1E103ZF5	0.01 25V [M]
C441	ECEA1HKN3R3B	3.3 50V [M]
C451	ECEA1VKA4R7B	4.7 35V [M]
C452	ECEA1VKA4R7B	4.7 35V [M]
C453	ECBT1H100J5	10P 50V [M]
C454	ECBT1H100J5	10P 50V [M]
C455	ECBT1H102KB5	1000P50V [M]
C456	ECBT1H102KB5	1000P50V [M]
C457	ECEA1AKA330B	33 10V [M]
C458	ECEA1AKA330B	33 10V [M]
C459	ECFR1E223KR	0.022 25V [M]
C460	ECFR1E223KR	0.022 25V [M]
C461	ECFR1E682KR	6800P25V [M]
C462	ECFR1E682KR	6800P25V [M]
C463	ECEA1VKA4R7B	4.7 35V [M]
C464	ECEA1VKA4R7B	4.7 35V [M]
C465	ECBT1E103ZF5	0.01 25V [M]
C466	ECBT1E103ZF5	0.01 25V [M]
C469	ECBT1H181KB5	180P 50V [M]
C470	ECBT1H181KB5	180P 50V [M]
C471	ECEA1HKA4R7B	4.7 50V [M]EB
C471	ECEA1VKA4R7B	4.7 35V [M]EGE
C472	ECEA1VKA4R7B	4.7 35V [M]
C473	ECBT1E103ZF5	0.01 25V [M]
C474	ECBT1E103ZF5	0.01 25V [M]
C475	ECBT1H101KB5	100P 50V [M]
C482	ECEA1HKA3R3B	3.3 50V [M]
C483	ECBT1H101KB5	100P 50V [M]
C491	ECBT1H101KB5	100P 50V [M]
C492	ECBT1H101KB5	100P 50V [M]
C493	ECBT1H101KB5	100P 50V [M]

Ref No.	Part No.	Values & Remarks
C494	ECBT1H101KB5	100P 50V [M]
C503	ECEA0JKA101B	100 6.3V [M]
C504	ECEA0JKA101B	100 6.3V [M]
C505	ECFR1C104MR	0.1 16V [M]
C506	ECFR1C104MR	0.1 16V [M]
C511	ECEA1HKA3R3B	3.3 50V [M]
C512	ECEA1HKA3R3B	3.3 50V [M]
C513	ECBT1H150J5	15P 50V [M]
C514	ECBT1H150J5	15P 50V [M]
C515	ECBT1H221KB5	220P 50V [M]
C516	ECBT1H221KB5	220P 50V [M]
C517	ECBT1H330J5	33P 50V [M]
C518	ECBT1H330J5	33P 50V [M]
C519	ECEA1VKA4R7B	4.7 35V [M]
C520	ECEA1VKA4R7B	4.7 35V [M]
C521	ECEA1VKA4R7B	4.7 35V [M]
C522	ECEA1VKA4R7B	4.7 35V [M]
C523	ECFR1E123KR	0.012 25V [M]
C524	ECFR1E123KR	0.012 25V [M]
C525	ECQV1H683JM3	0.068 50V [M]
C526	ECQV1H683JM3	0.068 50V [M]
C527	ECBT1C562KR5	5600P16V [M]
C528	ECBT1C562KR5	5600P16V [M]
C529	ECQB1H273JM3	0.027 50V [M]
C530	ECQB1H273JM3	0.027 50V [M]
C531	ECBT1E103ZF5	0.01 25V [M]
C532	ECBT1E103ZF5	0.01 25V [M]
C533	ECEA1CKA100B	10 16V [M]
C534	ECEA1CKA100B	10 16V [M]
C535	ECBT1H104ZF5	0.1 50V [M]
C536	ECBT1H104ZF5	0.1 50V [M]
C537	ECEA1CKA100B	10 16V [M]
C538	ECEA1CKA100B	10 16V [M]
C551	ECEA1HKA3R3B	3.3 50V [M]
C552	ECEA1HKA3R3B	3.3 50V [M]
C553	ECBT1H101KB5	100P 50V [M]
C554	ECBT1H101KB5	100P 50V [M]
C555	ECBT1H221KB5	220P 50V [M]
C556	ECBT1H221KB5	220P 50V [M]
C557	ECBT1E103ZF5	0.01 25V [M]
C558	ECBT1E103ZF5	0.01 25V [M]
C559	ECEA1CKA100B	10 16V [M]
C560	ECEA1CKA100B	10 16V [M]
C561	ECEA1HKA3R3B	3.3 50V [M]
C562	ECEA1HKA3R3B	3.3 50V [M]
C563	ECBT1H101KB5	100P 50V [M]
C564	ECBT1H101KB5	100P 50V [M]
C565	ECBT1H221KB5	220P 50V [M]

Ref No.	Part No.	Values & Remarks
C566	ECBT1H221KB5	220P 50V [M]
C567	ECBT1E103ZF5	0.01 25V [M]
C568	ECBT1E103ZF5	0.01 25V [M]
C571	ECEA1HKA010B	1 50V [M]
C572	ECEA1HKA010B	1 50V [M]
C573	ECBT1H680J5	68P 50V [M]
C574	ECBT1H680J5	68P 50V [M]
C575	ECEA1HKA010B	1 50V [M]
C576	ECBT1H680J5	68P 50V [M]
C585	ECEA1CKA100B	10 16V [M]
C586	ECEA1CKA100B	10 16V [M]
C601	ECA1JM330B	33 6.3V [M]
C602	ECA1JM330B	33 6.3V [M]
C603	ECBT1H821KB5	820P 50V [M]
C604	ECBT1H821KB5	820P 50V [M]
C607	ECCR1H180KC5	18P 50V [M]
C608	ECCR1H180KC5	18P 50V [M]
C611	ECQV1H104JZ3	0.1 50V [M]
C612	ECQV1H104JZ3	0.1 50V [M]
C613	ECQV1H104JZ3	0.1 50V [M]
C614	ECQV1H104JZ3	0.1 50V [M]
C615	ECBT1H103KB5	0.01 50V [M]
C616	ECA1JM330B	33 6.3V [M]
C617	ECEA2AN2R2SB	2.2 100V [M]
C618	ECBT1H102KB5	1000P50V [M]
C619	ECA1EM101B	100 25V [M]
C621	ECEA2AU100B	10 100V [M]
C622	ECEA2AU100B	10 100V [M]
C625	ECEA1HN100SB	10 50V [M]
C626	ECEA1HN100SB	10 50V [M]
C631	ECKR1H223ZF5	0.022 50V [M]
C632	ECKR1H223ZF5	0.022 50V [M]
C633	ECKR1H223ZF5	0.022 50V [M]
C634	ECKR1H223ZF5	0.022 50V [M]
C635	ECKR1H223ZF5	0.022 50V [M]
C637	ECKR1H223ZF5	0.022 50V [M]
C638	ECKR1H223ZF5	0.022 50V [M]
C639	ECKR1H102KB5	1000P50V [M]
C640	ECKR1H102KB5	1000P50V [M]
C641	ECA1JM330B	33 6.3V [M]
C642	ECBT1H821KB5	820P 50V [M]
C643	ECCR1H180KC5	18P 50V [M]
C644	ECQV1H104JZ3	0.1 50V [M]
C645	ECQV1H104JZ3	0.1 50V [M]
C646	ECQE2104KF3	0.1 250V [M]
C651	ECEA1HN3R3SB	3.3 50V [M]
C652	ECEA1HN3R3SB	3.3 50V [M]
C653	ECBT1H681KB5	680P 50V [M]

Ref No.	Part No.	Values & Remarks
C654	ECBT1H681KB5	680P 50V [M]
C655	ECEA1JU220B	22 63V [M]
C656	ECEA1JU220B	22 63V [M]
C657	ECCR1H100K5	10P 50V [M]
C658	ECCR1H100K5	10P 50V [M]
C659	ECBT1H221KB5	220P 50V [M]
C660	ECBT1H221KB5	220P 50V [M]
C661	ECQV1H104JZ3	0.1 50V [M]
C662	ECQV1H104JZ3	0.1 50V [M]
C663	ECQV1H104JZ3	0.1 50V [M]
C664	ECQV1H104JZ3	0.1 50V [M]
C665	ECBT1H681KB5	680P 50V [M]
C666	ECBT1H681KB5	680P 50V [M]
C667	ECEA2AU100B	10 100V [M]
C668	ECEA2AU100B	10 100V [M]
C669	ECEA2AN2R2SB	2.2 100V [M]
C670	ECEA1JU220B	22 63V [M]
C671	ECA1JM330B	33 6.3V [M]
C672	ECBT1H102KB5	1000P50V [M]
C673	ECEA2AU100B	10 100V [M]
C691	ECBT1H102KB5	1000P50V [M]
C698	ECKR1H181KB5	180P 50V [M]
C701	ECBT1E103ZF5	0.01 25V [M]
C702	ECQE2104KF3 ⚠	0.1 250V [M]
C703	ECES75V752UM ⚠	7500 75V [M]
C704	ECES75V752UM ⚠	7500 75V [M]
C705	ECES1VV472N ⚠	4700 35V [M]
C706	ECES1VV472N ⚠	4700 35V [M]
C707	ECA1VM101B	100 35V [M]
C708	ECKR1H103ZF5	0.01 50V [M]
C709	ECEA1CKA330B	33 16V [M]
C710	ECBT1E103ZF5	0.01 25V [M]
C711	ECKR1H103ZF5	0.01 50V [M]
C712	ECEA1HKA100B	10 50V [M]
C713	ECKR1H103ZF5	0.01 50V [M]
C714	ECEA1EKA470B	47 25V [M]
C715	ECEA1CKA101B	100 16V [M]
C721	ECQE2104KF3	0.1 250V [M]
C751	ECKWRS102MBC	1000P400V [M] ⚠
C752	ECKR1H103ZF5	0.01 50V [M] ⚠
C753	ECA1EM102E	1000 25V [M]
C754	ECBT1E103ZF5	0.01 25V [M]
C755	ECA1CM470B	47 16V [M]
C757	ECA1CM100B	10 16V [M]
C758	ECEA1AKA101B	100 10V [M]
C771	ECEA1HKA4R7B	4.7 50V [M]
C772	ECEA1HKA4R7B	4.7 50V [M]
C773	ECBT1E223ZF5	0.022 25V [M]

Ref No.	Part No.	Values & Remarks
C774	ECEA0JKA101B	100 6.3V [M]
C775	ECEA1CKA100B	10 16V [M]
C776	ECEA1HKA010B	1 50V [M]
C891	ECEA1CKA100B	10 16V [M]
C894	ECBT1H101KB5	100P 50V [M]
C895	ECBT1H101KB5	100P 50V [M]
C901	ECEA0JU102B ⚠	1000 6.3V [M]
C902	ECBT1H104ZF5	0.1 50V [M]
C903	ECBT1E103ZF5	0.01 25V [M]
C904	ECEA0JU102B ⚠	1000 6.3V [M]
C905	ECBT1E103ZF5	0.01 25V [M]
C906	ECEA0JKA101B	100 6.3V [M]
C908	ECBT1E103ZF5	0.01 25V [M]
C909	ECEA1VKA220B	22 35V [M]
C910	ECEA1VKA220B	22 35V [M]
C911	ECEA1VKA220B	22 35V [M]
C912	ECEA1VKA220B	22 35V [M]
C913	ECEA1VKA100B	10 35V [M]
C914	ECEA1VKA100B	10 35V [M]
C916	ECEA1HKA010B	1 50V [M]
C917	ECEA0JKA101B	100 6.3V [M]
C918	ECEA0JKA101B	100 6.3V [M]
C920	ECEA1HKA010B	1 50V [M]
C921	ECBT1H331KB5	330P 50V [M]
C922	ECBT1H331KB5	330P 50V [M]
C923	ECBT1H331KB5	330P 50V [M]
C924	ECBT1H331KB5	330P 50V [M]
C925	ECBT1H331KB5	330P 50V [M]
C926	ECBT1H331KB5	330P 50V [M]
C927	ECBT1H331KB5	330P 50V [M]
C928	ECBT1H331KB5	330P 50V [M]
C929	ECBT1H331KB5	330P 50V [M]
C930	ECBT1H331KB5	330P 50V [M]
C932	ECBT1H101KB5	100P 50V [M]
C933	ECBT1H101KB5	100P 50V [M]
C943	ECBT1H331KB5	330P 50V [M]
C944	ECEA1CKA100B	10 16V [M]
C945	ECBT1E103ZF5	0.01 25V [M]
C946	ECBT1H470J5	47P 50V [M]
C947	ECBT1H470J5	47P 50V [M]
C962	ECBT1H561KB5	560P 50V [M]
C963	ECBT1H102KB5	1000P50V [M]
C991	ECBT1H101KB5	100P 50V [M]
C992	ECBT1H101KB5	100P 50V [M]
C993	ECBT1H101KB5	100P 50V [M]
C994	ECBT1H101KB5	100P 50V [M]
C995	ECBT1H101KB5	100P 50V [M]
C996	ECBT1H101KB5	100P 50V [M]

Ref No.	Part No.	Values & Remarks
C997	ECEA1CKA100B	10 16V [M]
C998	ECBT1E103ZF5	0.01 25V [M]
C1001	ECEA1HKA010B	1 50V [M]
C1002	ECEA1HKA010B	1 50V [M]
C1003	ECEA1HKA3R3B	3.3 50V [M]
C1004	ECEA1HKA3R3B	3.3 50V [M]
C1005	ECEA1HKA010B	1 50V [M]
C1007	ECFR1E223KR	0.022 25V [M]
C1008	ECFR1E473KR	0.047 25V [M]
C1009	ECEA0JU221B	220 6.3V [M]
C1010	ECEA1CKA100B	10 16V [M]
C1011	ECEA1CKA100B	10 16V [M]
C1012	ECEA1CKA100B	10 16V [M]
C1013	ECEA1CKA100B	10 16V [M]
C1014	ECEA0JU221B	220 6.3V [M]
C1015	ECQV1H104JM3	0.1 50V [M]
C1016	ECQV1H104JM3	0.1 50V [M]
C1017	ECEA1HKAR47B	0.47 50V [M]
C1018	ECEA1HKA4R7B	4.7 50V [M]
C1019	ECEA1HKAR47B	0.47 50V [M]
C1020	ECEA1HKA4R7B	4.7 50V [M]
C1021	ECEA1HKAR15B	0.15 50V [M]
C1022	ECEA1HKA3R3B	3.3 50V [M]
C1023	ECQV1H154JM3	0.15 50V [M]
C1024	ECQV1H154JM3	0.15 50V [M]
C1025	ECEA1HKA3R3B	3.3 50V [M]
C1026	ECEA1HKAR15B	0.15 50V [M]
C1027	ECEA1HKA4R7B	4.7 50V [M]
C1028	ECEA1HKAR47B	0.47 50V [M]
C1029	ECEA1HKA4R7B	4.7 50V [M]
C1030	ECEA1HKAR47B	0.47 50V [M]
C1031	ECQV1H104JM3	0.1 50V [M]
C1032	ECQV1H104JM3	0.1 50V [M]
C1033	ECEA0JKA470B	47 6.3V [M]
C1034	ECQV1H474JM3	0.47 50V [M]
C1035	ECBT1H681KB5	680P 50V [M]
C1036	ECBT1H101KB5	100P 50V [M]
C1037	ECBT1H101KB5	100P 50V [M]
C1038	ECBT1H101KB5	100P 50V [M]
C1039	ECEA1CU101B	100 16V [M]
C1040	ECEA1CKA100B	10 16V [M]
C1041	ECBT1E103ZF5	0.01 25V [M]
C1051	ECEA1HKA2R2B	2.2 50V [M]
C1052	ECEA1HKAR33B	0.33 50V [M]
C1053	ECEA1HKA3R3B	3.3 50V [M]
C1054	ECEA0JU221B	220 6.3V [M]
C1055	ECEA1HKAR47B	0.47 50V [M]
C1056	ECFR1E823KR	0.082 25V [M]

Ref No.	Part No.	Values & Remarks
C1057	ECFR1E332KR	3300P25V [M]
C1058	ECFR1E823KR	0.082 25V [M]
C1059	ECEA1CKA101B	100 16V [M]
C1060	ECBT1E223ZF5	0.022 25V [M]
C1062	ECBT1E223ZF5	0.022 25V [M]
C1063	ECEA1CKA101B	100 16V [M]
C1064	ECEA1HKA010B	1 50V [M]
C1065	ECBT1H681KB5	680P 50V [M]
C1067	ECBT1C152KR5	1500P16V [M]
C1068	ECBT1C152KR5	1500P16V [M]
C1151	ECEA1HKA010B	1 50V [M]
C1152	ECFR1C683KR	0.068 16V [M]
C1153	ECFR1C273KR	0.027 16V [M]
C1154	ECEA1HKA4R7B	4.7 50V [M]EB
C1154	ECEA1VKA4R7B	4.7 35V [M]EG E
C1156	ECBT1E103ZF5	0.01 25V [M]
C1157	ECBT1E103ZF5	0.01 25V [M]
C1159	ECEA1HKA010B	1 50V [M]
C1161	ECBT1H101KB5	100P 50V [M]
C1683	ECBT1C332KR5	3300P16V [M]
C1684	ECBT1C332KR5	3300P16V [M]
C1685	ECBT1E103ZF5	0.01 25V [M]

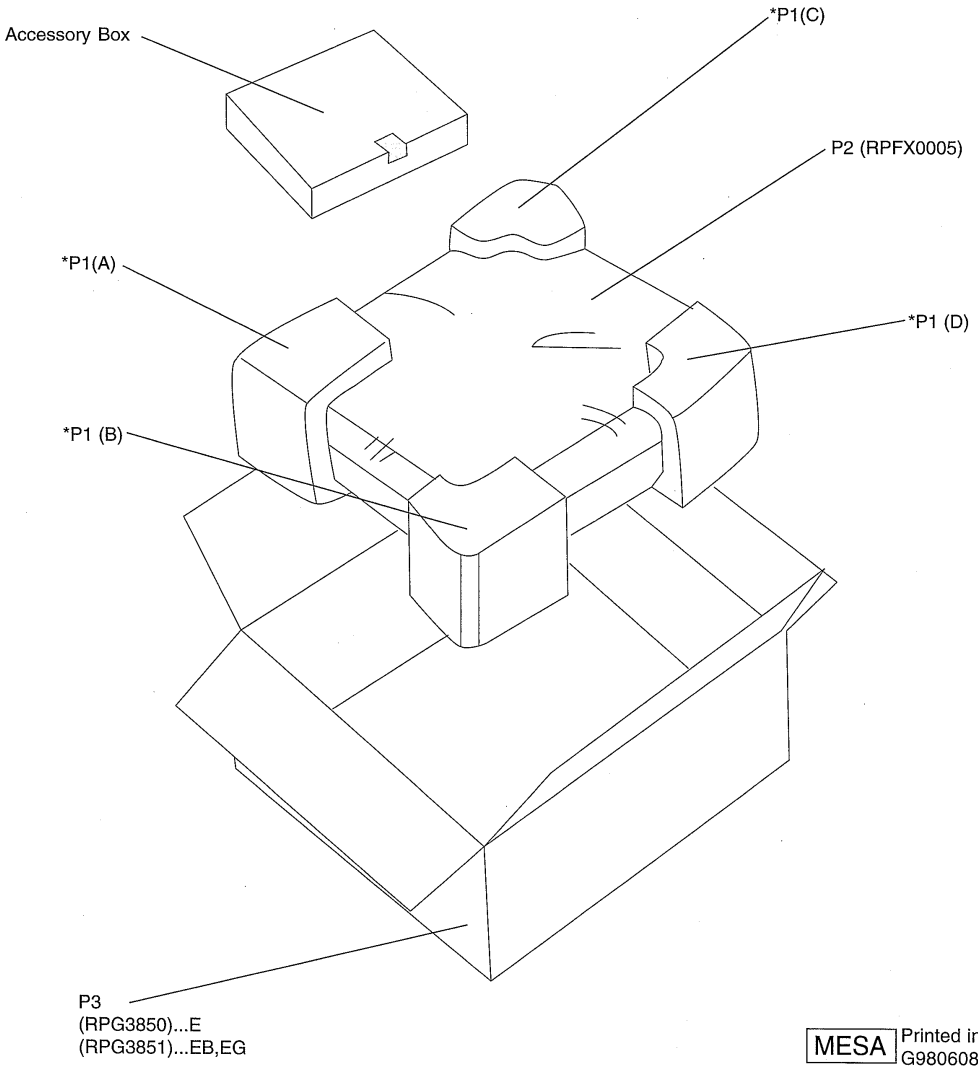
Ref No.	Part No.	Values & Remarks

■ Packaging

ACCESSORY BOX

A1	(EUR646469)	: REMOTE CONTROL
A2	(RSA0010)	: AM LOOP ANT UNIT
A3	(RJA0019-2K)...E,EG	: AC CORD
A3	(RJA0053-1X)...EB	: AC CORD
A4	(RSA0007)	: FM ANTENNA
A5	(RQT4428-B)...EB	: O/I BOOK
A5	(RQT4429-E)...E	: O/I BOOK
A5	(RQT4430-D)...EG	: O/I BOOK
A5	(RQT4431-R)...E	: O/I BOOK
A5	(RQT4432-H)...EG	: O/I BOOK
A5	(RQT4467-B)...EB	: O/I BOOK FOR REMOTE
A5	(RQT4468-E)...E	: O/I BOOK FOR REMOTE
A5	(RQT4469-D)...EG	: O/I BOOK FOR REMOTE
A5	(RQT4470-R)...E	: O/I BOOK FOR REMOTE
A5	(RQT4471-H)...EG	: O/I BOOK FOR REMOTE
A6	(SJP9009)...EB	: ANT ADAPTER

P1 (RPN0966) — *P1 (A), *P1 (B), *P1 (C), *P1 (D)



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